

## **Historic, archived document**

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A large, stylized illustration of an alfalfa plant with many leaves and a thick stem, positioned on the left side of the advertisement.

**Disco**  
**GUARANTEED SEEDS**

**1924**  
SEVENTEENTH ANNUAL

**DAKOTA IMPROVED  
SEED CO.**

BREEDERS & GROWERS OF  
PEDIGREED FARM & GARDEN SEEDS  
**MITCHELL SOUTH DAKOTA**



**FIELD OF REGISTERED  
DISCO 28 ALFALFA**



# The Home of

# Disco

**GUARANTEED SEEDS**



**O**UR LOCATION at Mitchell was primarily chosen because of the unusual suitability of the Mitchell territory for Seed Corn growing. The dryness of our Fall

and Spring enables us through our well ventilated drying cribs to prepare our Seed Corn without artificial heat.

Shows a carload of Alfalfa of the hardy Disco kind, part of a large order we shipped to Minnesota. We ship Alfalfa not only to every state in the Union, not omitting Alaska, also to Canada, European Countries and South America.

Our Seed Corn drying house.

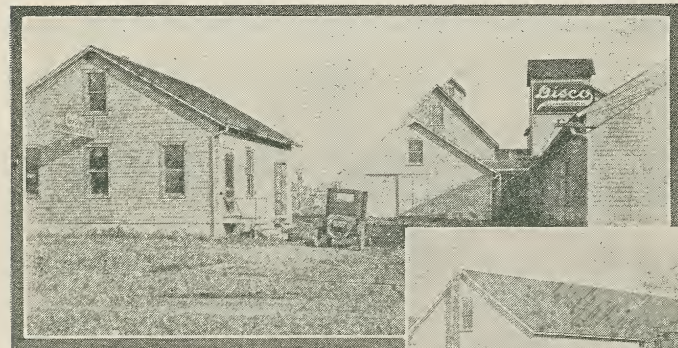
We ship Seed Corn not only to all our Northern States but also to Western Canada and last year we shipped Seed Corn to Russia and Nairobi British East Africa. This was the second year in succession that we shipped Seed Corn to Russia, the best evidence possible that the mammoth order, 378,000 bushels, which we shipped in 1922, was satisfactory. No wonder the writer of a pamphlet issued by our Chamber of Commerce wrote as follows: "Among our industries is numbered the Dakota Improved Seed Company, which conducts an international business of great magnitude."

It has been said that a prophet is not without honor save in his own country, nevertheless, to be held in high esteem by your local community means a great deal to any institution which seeks to serve the public, and more particularly a seed institution where confidence is such a large factor between buyer and seller.

One of our friends in the trade recently sent us a card which bore this legend, "It's the way you show up at the show down that counts."

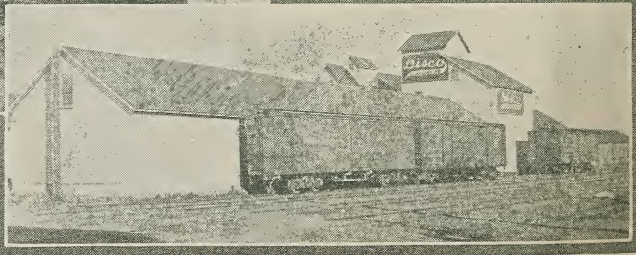
The increasing number of our patrons, mostly coming to us through personal recommendation, is evidence we believe that our efforts to supply only the best in seeds at moderate prices are being appreciated.

If you have not already tried our seeds we ask you respectfully to do so, and we believe our seeds will show up at the show down. If you try our seeds we believe both of us will be pleased. If you experiment elsewhere both of us may be disappointed.



View of our siding and our facilities for loading and unloading in car lots.

A large proportion of the seed we distribute is grown in our immediate vicinity. Our farmers haul the seed in their wagon to our warehouse. This cuts out all high freight charges and enables us to pay the utmost to the growers and at the same time sell high grade seed at astonishingly low prices.



Plant **Disco** Seeds



MAR 10 1924  
A Good Name Well Known.For 17 Years has signified the best in seeds.  
Grow Well Because They Are Well Grown.

To insure prompt attention address all orders to the firm, not to individuals. Use order sheet at end of catalog.

## Special Price Sheet

prices on large quantities. All seeds are sold on the basis of the **Disco Guarantee**, printed on page 62 of the 1924 catalog. We expect prices will advance, and recommend early ordering. If no Agent at your station, add sufficient to prepay freight or express. If you remit too much, surplus will be promptly refunded. If required by parcel post, your Postmaster will tell you in what zone from Mitchell you are located so that you may include correct postage with your remittance.

**Our Co-operative plan:** In view of high freight rates we are anxious to co-operate with our customers to enable them to combine together in a co-operative way and make up carload shipments. This not only saves freight, but also insures more prompt and safe delivery, as in carload lots the bags are loaded into the cars at our warehouse and go right through to destination without change. To enable our customers to do this, we will reserve orders at current prices, when orders are received, on payment of 25% of the value, the balance to be paid before shipment is made. We make this concession to encourage co-operative orders and early ordering. This will apply only on orders received before March 15th, 1924, and they must be completed not later than April 5th, 1924. Get together! Co-operate with a firm that has given you good service in the past and aims to serve you better in the future. Should prices have changed when your order is received, if lower, we will refund balance; if higher, we will either reduce your order to the amount remitted, or ship C. O. D. for the balance, as you prefer.

**ALFALFA.** Bountiful crops are being harvested all over the United States and Canada from fields sown with **DISCO ALFALFA SEED.** **DISCO Hardy Alfalfa** is a household word with successful Alfalfa growers.

Current Prices, January 1, 1924. F. O. B. Mitchell, S. D. No Cartage Charges.  
Bags Weighed in Free.

	100 Lbs.	50 Lbs.	25 Lbs.	1 Lb.	100 Lb. Price Equals per Bushel
<b>ALFALFA, 60-lb. per bushel.</b>					
Dakota Grown, Common, Sunshine Brand.	\$22.00	\$11.50	\$6.00	\$0.27	\$13.20
Dakota Grown, Common, Emerald Brand.	26.00	13.50	7.00	.30	15.60
Dakota Grown, Common, DISCO Brand..	28.00	14.50	7.50	.32	16.80
Registered Disco No. 26.....	30.00	15.50	8.00	.34	18.00
Registered Disco No. 28.....	35.00	18.00	9.25	.39	21.00
Registered Disco No. 38.....	30.00	15.50	8.00	.34	18.00
Registered Disco No. 79.....	30.00	15.50	8.00	.34	18.00
Registered Disco No. 80.....	30.00	15.50	8.00	.34	18.00
DISCO Grimm.....	47.50	24.50	12.50	.52	28.50
DISCO Grimm No. 19A.....	50.00	25.50	13.00	.55	30.00
DISCO Baltic.....	50.00	25.50	13.00	.55	30.00
DISCO Baltic No. 110.....	52.50	27.00	13.75	.57	31.50
DISCO, Baltic, Canadian Grown, Super Hardy.....	55.00	28.00	14.25	.59	33.00
DISCO Cossack.....	50.00	25.50	13.00	.55	30.00

We screen our Registered Alfalfas very, very rigidly and this necessitates the elimination of a considerable quantity of really good seed, which owing to the fact that it is not perhaps just as plump as it might be it is separated from our best grades of Registered Seed. This seed being of a very hardy character is well adapted for renovating old pastures or for sowing with small grains as a fertilizer. If interested write for samples and prices, stating quantity required and for what purpose.

We had the misfortune to have some Sweet Clover mixed with one lot of our Grimm Alfalfa, otherwise the seed is O. K. We will sell at a sacrifice. If interested write for sample and price, stating quantity required.

**CLOVERS, 60-lb. per bushel.**

<b>Dalea alopecuroides (Sour Clover), 60 lbs.,</b> \$23.00; 30 lbs., \$12.00. Postpaid: 15 lbs., \$6.60; 5 lbs., \$2.25; 1 lb., 50c.					
<b>Sweet—Hulled and Scarified.</b>	100 Lbs.	50 Lbs.	25 Lbs.	1 Lb.	100 Lb. Price Equals per Bushel
Hubam—New Annual Disco Brand.....	\$34.00	\$17.50	\$9.00	\$0.38	\$20.40
White Blossom—DISCO Brand.....	20.00	10.50	5.50	.24	12.00
White Blossom—Emerald Brand.....	17.00	9.00	4.25	.20	10.20
Yellow Blossom—DISCO Brand.....	20.00	10.50	5.50	.24	12.00
Yellow Blossom—Emerald Brand.....	17.00	9.00	4.25	.20	10.20
Medium Red—DISCO Brand.....	30.00	15.50	8.00	.34	18.00
Medium Red—Emerald Brand.....	27.00	14.00	7.25	.31	16.20
Mammoth Red—DISCO Brand.....	30.50	15.75	8.25	.35	18.30
Mammoth Red—Emerald Brand.....	27.50	14.25	7.50	.32	16.50
Alsike or Swedish—DISCO Brand.....	20.00	10.50	5.50	.24	12.00
Alsike or Swedish—Emerald Brand.....	18.00	9.50	5.00	.22	10.80
White or Dutch—DISCO Brand.....	65.00	33.00	16.75	.70	39.00
White or Dutch—Emerald Brand.....	60.00	30.50	16.00	.65	36.00

**INOCULATING CULTURE—See Page 11.**

**DAKOTA GROWN SEED**

<b>CORN.</b>					
Shelled and Graded 50 lbs. 10 Bushels 5 Bushels per bushel. or More or More					
<b>Yellow Dent Varieties.</b>	Per Bushel	Per Bushel	1 Bushel	10 Bushels or More Per Bushel	5 Bushels or More Per Bushel
Riverview Special.....	\$3.50	\$3.65	\$3.75	\$3.35	\$3.50
Minnesota 13.....	3.25	3.40	3.50	3.50	3.65
Early Murdock.....	3.25	3.40	3.50	3.50	3.65
Disco Pride.....	3.50	3.65	3.75	3.50	3.65
Pride of the North.....	3.25	3.40	3.50	3.50	3.65
Wimples.....	3.35	3.50	3.65	3.50	3.65
Leaming.....	3.20	3.35	3.50	3.50	3.65
Reids.....	3.00	3.10	3.25	2.00	2.15
<b>White Dent Varieties.</b>				2.00	2.15
Disco 90-Day ..	3.25	3.35	3.50	3.50	3.60
					3.75
Silver King.....					
Northwestern Dent.....					
Plint Varieties.					
Disco White.....					
Gehu Yellow.....					
Disco Squaw (Rainbow)...					
King Phillip Red.....					
Longfellow Yellow.....					
Disco Fodder Corn.					
Early Dent.....					
Medium Dent.....					
Evergreen Sweet (46 Lbs.)					

WRITE FOR PRICES BASIS F. O. B. MEMPHIS.

**DAKOTA IMPROVED SEED CO., Mitchell, S. D. THE CORN PALACE CITY**  
(Read the Other Side)





# SPECIAL PRICE SHEET FOR EARLY ORDERS

Subject to Prior Sale and Market Change. Read Other Side Before Ordering.

Current Prices, January 1, 1924. F. O. B. Mitchell, S. D. No Cartage

Charges. Bags Weighed in Free.

DISCO SELECTED MILLETS, 50 lbs. per bu.	100 Lbs.	50 Lbs.	25 Lbs.	100 Lb. Price Equals per Bushel
Common.....	\$3.00	\$1.75	\$1.00	\$1.50
Dakota Kurst.....	3.75	2.15	1.20	1.87
Siberian.....	3.50	2.00	1.15	1.75
Golden or Liberty (German).....	3.00	1.75	1.00	1.50
Hog or Broom Corn.....	3.25	1.85	1.10	1.62
Early Fortune.....	3.75	2.15	1.20	1.87
Japanese or Billion Dollar Grass (36 Lbs.).....	4.00	2.25	1.25	1.44

Bags  
Are  
Free

## DISCO SELECTED GRASS SEEDS.

Timothy—DISCO Brand.....	10.00	5.50	3.00	.....
Timothy—Emerald Brand.....	9.50	5.00	2.75	.....
Awless Brome.....	14.50	7.50	4.00	.....
Western Rye Grass.....	9.00	4.75	2.65	.....
Meadow Fescue or English Blue.....	18.00	9.50	5.00	.....
Red Top (Solid Seed).....	20.00	10.50	5.50	.....
Kentucky Blue.....	35.00	18.00	9.25	.....
Canadian Blue.....	30.00	15.50	8.00	.....
Perennial Rye Grass.....	18.00	9.50	5.00	.....
Crested Dog's Tail.....	35.00	18.00	9.25	.....
Orchard or Cocksfoot.....	25.00	13.00	6.75	.....

Our Motto: Highest  
quality at lowest  
possible prices

## DISCO SELECTED MIXTURES.

Disco Permanent Pasture Mixture.....	16.00	8.50	4.50	.....
Disco Permanent Meadow Mixture.....	16.00	8.50	4.50	.....
Timothy and Alsike, Mixed.....	12.00	6.50	3.50	.....
Timothy and Red Clover, Mixed.....	14.00	7.50	4.00	.....
Disco Annual Hog Pasture Mixture.....	8.00	4.50	2.50	.....

## DISCO FORAGE AND SOILING CROPS.

Rape, Dwarf Essex, No. 1 Seed.....	10.00	5.50	3.00	.....
Sunflower, Russian Giant.....	10.00	5.50	3.00	.....
Disco Early Amber Fodder Cane.....	4.50	2.50	1.50	.....
Disco Amber Sorghum Cane.....	6.50	3.50	2.00	.....
Sudan Grass.....	12.00	6.50	3.50	.....
Feterita.....	5.00	2.25	1.25	.....
Kafir Corn.....	5.00	2.25	1.25	.....
Milo Maize.....	5.00	2.25	1.25	.....

Remember we make  
no charge for bags.  
Weighed in FREE.

## DISCO SELECTED SEED GRAINS.

Speltz, 40-lbs. per bushel.....	3.20	1.85	1.00	.....
Boy or Soja Beans, all strictly Northern Grown, 60 lbs. per bushel.....	7.50	4.00	2.25	.....
Early Black.....	7.50	4.00	2.25	.....
Early Brown.....	7.50	4.00	2.25	.....
Ito San.....	7.50	4.00	2.25	.....
Manchu.....	7.50	4.00	2.25	.....
Hollybrook.....	7.50	4.00	2.25	.....
Buckwheat, 48 lbs. per bushel.....	4.50	2.50	1.50	.....
Japanese.....	4.50	2.50	1.50	.....
Silver Hull.....	4.50	2.50	1.50	.....

When you buy DISCO SEEDS you are buying the best.  
The best are always the cheapest in the end.

## BARLEY, 48 lbs. per bushel.

Manshury—Price on application.	10 Bushels or more per Bu.	5 Bushels or more per Bu.	1 Bushel
Oderbrucker or Wisc. No. 55—Price on application.	\$2.50	\$2.65	\$2.75
Improved White Hulless (60 lbs.).....			

## FLAX, 56 lbs per bushel.

N. D. Wilt-resistant.....	3.75	3.85	4.00
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## OATS, 32 lbs. per bushel.

New Disco No. 22, Hulless—10 bu., \$26.00; 5 bu., \$14.00; 1 bu., \$3.00; 5 lbs., \$1.40; 2 lbs., 65c; 1 lb. 25c.			
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## RYE, 56 lbs., per bushel.

Spring Common.....	1.50	1.60	1.75
Spring Prolific.....	1.75	1.85	2.00

Write for special  
prices on large  
quantities.

Amber Winter—Write for Prices.

Rose Winter—Write for Prices.

## Spring Wheat, 60 lbs. per bushel.

New Ruby.....	2.20	2.40	2.50
Marquis.....	1.60	1.65	1.75
Kota.....	2.75	2.85	3.00
Kubanka Durum or Macaroni.....	1.35	1.40	1.50
Acme.....	1.85	1.90	2.00

## Winter Wheat, 60 lbs. per bushel.

New Kanred—Write for Prices.

Turkey Red—Write for Prices.

## Field Peas, 60 lbs. per bushel.

Canada Field.....	4.50	4.55	4.65
Navy Beans, 60 lbs. per bushel.....	6.00	6.10	6.25
Great Northern Beans.....	6.00	6.10	6.25

## NORTHERN GROWN SEED POTATOES.

Early Ohio—Prices on Application.

Irish Cobbler—Prices on Application.

Cyclone Broadcast Seeders. See page 58.

DAKOTA IMPROVED SEED CO., Mitchell, S. D.

(Read the Other Side)



# Disco

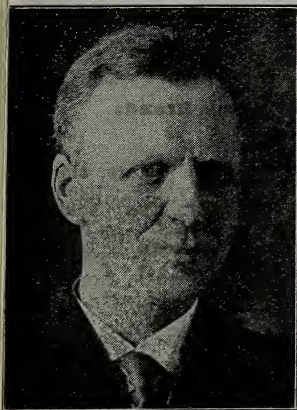
**GUARANTEED SEEDS**

## Bank References

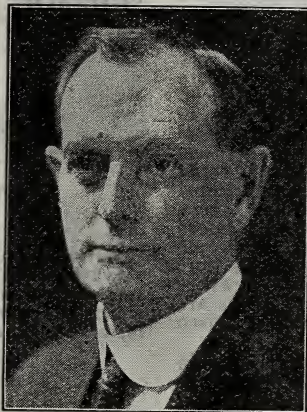
National Bank of Republic  
Chicago, Ill.  
Midland National  
Minneapolis, Minn.  
Western National  
Mitchell, S. D.

## Members

American Seed Trade  
Association  
Western Seedsmen's  
Association



**RICHARD BURN**  
Vice-President



**W. S. HILL**  
President



**THOS. W. COLLEY**  
Secretary

## OFFICERS OF THE COMPANY

## OUR PURPOSE

*To improve and perfect a standard of business integrity, which shall include purity of stocks, honesty of representation, carefulness of obligations and promptness in execution.—From the Constitution of the American Seed Trade Association.*

9

January 1st, 1924.

**ANOTHER** year has come and gone since we had the privilege of handing you our previous catalog. Much has happened in this time, there have been many ups and downs. On the whole, conditions are better with all of us. After all, we get out of life just about what we put into it. Naturally this leads us to think of our seeds; we on our part have put a lot of thought, energy and experience into the production and preparation of our seeds. During the past year we have added the latest type of cleaning and scarifying machinery and have adopted every improved method that science and experience has suggested. This to enable you to put into your Garden or Farm the best seeds. Many slogans have been used to emphasize this "Better Seeds, Better Crops," "Sow good seeds and reap good harvests," then we have also the time-honored scriptural axiom "Whatsoever a man soweth that shall he also reap."

If we are not already supplying your needs in seeds, we would like to number you among

our customers and friends. We believe we have the seeds, poultry supplies, plants or tools which will satisfy you. Won't you give us a trial, whether the order is large or small it will receive the same painstaking personal attention.

Our mail brings many trial orders of \$1.00 and sometimes even less and, on the other hand, we ship out seeds of all kinds by the carload, and Seed Corn sometimes by the train load, and while we dislike to resort to using the overworked phrase, nevertheless to say that "No order is too small to command our attention and none too large to overtax our organization" fully expresses the situation.

You will find a handy order sheet at the back of this book and an addressed envelope is also enclosed. We have done our part, what about you?

Thanks.

Yours for Service,

**Dakota Improved Seed Co.**

By RICHARD BURN, Vice-Pres.



# Disco

## GUARANTEED SEEDS

### Alfalfa

One of our favorite slogans for many years has been "Alfalfa is our specialty." It has been well said, this is an age of specialists, and so consistently have we specialized in this wonderful forage plant, that Disco Alfalfas have an international reputation. It is not an unusual thing for us to receive orders in our mail from Europe, South America, Canada, and practically every state in the Union, and what is perhaps more important, they are making good. In some instances success has been achieved where failure was experienced before, and most everywhere better yields of hay and more lasting fields are obtained by the use of the best adapted Disco Alfalfa.

It is needless to say that we have received hundreds of testimonials from satisfied customers. In spite of the overworked phrase one sometimes sees displayed in stores, viz.: "If you are satisfied with our service tell others; if you are not, tell us." It seems that even busy folks on the farm just naturally like to give praise where praise is due. We would like to print a great many of these letters, as they are full of interest, but space forbids. We cannot, however, resist the temptation to place before you a few we have



Our Three Famous Brands

received from the "Show Me" State, the conservatism and carefulness of whose citizens have rendered proverbial the slogan "I'm from Missouri, you have got to show me." The following letters reveal convincing evidence of satisfaction

Extract from letter received from E. C. Lindley, Stanberry, Mo., Aug. 14th, 1923.

Gentlemen: Please ship by express 22 lbs. Disco 28 Alfalfa seed. I had a man out to see my Alfalfa field this afternoon and convinced him in a few minutes that Kansas and Nebraska seed were not in it with Disco 28. In planting some Disco seed a few years ago I did not have enough Disco seed to plant all the field, so I finished out with Kansas seed and it did very well the first year or two, but after that you could very plainly tell the difference. I think most of the farmers realize the difference in this seed, but as you know the farmer has been hit little harder than anyone else and on account of being short of money is forced to buy any kind of cheap seed. Please do the best you can with me on the price of this seed, and if you have any prospective buyers in this section that talk Kansas seed just refer to me and I can show them the difference.

### Look For The Seal

The popularity and superiority of Disco Alfalfa has caused many unscrupulous dealers to attempt to substitute. Instances have frequently come to the attention of our salesmen where intending planters have been told that they could be supplied with our seed, or just as good, practically the same and so on. Discriminating buyers will insist on the genuine Disco, to be obtained direct or from authorized Disco dealers. For your protection and our own, every bag of Registered Disco Alfalfa will have a seal bearing the Disco Brand, our registered Trade Mark.

Look for this, without which none are genuine.

### LOOK FOR THE SEAL

INOCULATE THIS  
SEED WITH  
HUMOGERM



Note the much branched or spreading root system, a fundamental characteristic of the Disco Alfalfas.



# Alfalfa the Nonpareil of Fodder Plants

Alfalfa is One of Nature's Choicest Gifts to Man

## Disco-Baltic

This variety of the Grimm type of Alfalfa was selected many years ago by us, and being found growing near a village named Baltic, we felt that it was fitting that the variety be given this name. In describing this new type, the writer of Bulletin No. 757, U. S. Department of Agriculture, says: "While the Baltic differs slightly from the Grimm, in some minor details, the two are so similar that it is seldom possible to distinguish one from the other. This variety is recommended for sections where the ordinary strains suffer considerable loss through winter-killing."

We, as already stated, are the promoters of Baltic Alfalfa, and it goes without saying, therefore, that to be absolutely sure of getting the right type, it is desirable that you place your order with us. If you do, you are certainly circumventing any possibility of disappointment and are in the most practical way insuring success.

## Baltic Alfalfa

Has fulfilled every claim we have made for it and has more than justified all we have said regarding it.

## Super Hardy Baltic Alfalfa

Grown 200 miles north of Canadian boundary line.

140 acres, said by grower to be the most northerly field of its size in the World, and has proved absolutely hardy.

Sixteen acres were seeded in 1914, eighty-eight acres in 1919 and thirty-six acres in 1920.

The grower of this Alfalfa writes as follows:

My original purchase was one hundred pounds in the Spring of 1914.

I have seen reports from an experimental station in South Dakota—Highmore, I believe—stating Baltic to greatly excel ordinary Grimm seed both in hay and seed production.

I agree that in appearance there is no difference between Baltic and Grimm.

There is a Mr. Boyd whose farm is considerably further north than my own. He has grown Baltic Alfalfa there and although I do not think he is a large producer at present, he has a very favorable opinion of Baltic in comparison to ordinary Grimm for hardiness I believe.

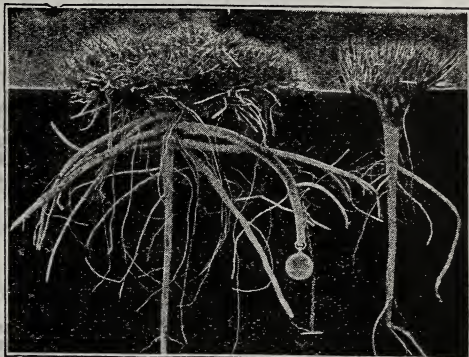
Whatever reports I have seen as to Baltic Alfalfa have invariably been favorable.

Our yields of seed are low, generally less than a bushel, but the quality is almost always good. Temperatures of—60° F. are not unknown and—50° F. is common. We had no rain during the season of 1917 and 1918 and not much since. Last June and July were without rain. My seed is in rows 30 inches apart, two pounds to the acre and is all on dry uplands.

The folks here are on their last legs trying to grow wheat. If only they could get into Alfalfa for seed and not only for seed but also for hog pasture and for hay, even in our arid climate, I am convinced it would yield far greater profit than wheat.

We have secured a small quantity of this seed and it sure is beautiful; well developed, and of high purity and germination. For hardiness and drought resistance we believe there is nothing to beat it. Price, see colored insert inside front cover.

Representative plants of the Hardy and Non-Hardy type of crowns of four-year-old Alfalfa taken from the same nursery, grown as single plants under the same conditions. The plant on the right, the common Southern type; the plant on the left, a fair sample of Baltic Alfalfa,



a variety found growing near the little town of Baltic, South Dakota. (Bul. 181, Col. Ag. Exp. Sta.)

## Disco No. 11-C Baltic

Has been proven by experience to be the hardiest of the hardy. Excellent yields and perfect stands have been obtained when no other variety could previously be grown for any length of time. Its drought resistance is phenomenal; recovers remarkably quick after cutting; yields an abundance of leafy hay and is also a good seed cropper. Supply limited.

## READ THIS

Dec. 19th, 1923.

Dakota Improved Seed Co.,  
Mitchell, South Dakota.  
Gentlemen—

Here are two photos of Baltic Alfalfa. See description on back of photos.

Ledgetop Farms are on Lake Champlain in Essex Co., N. Y., and Essex Co. is the heart of the Adirondack mountains. The farm consists of about 200 acres of tillable land, about 50 of which is orchard, and 120 acres is in either Baltic or 19-A alfalfa, the only other crop grown is corn. The alfalfa has all been seeded in past three years, and so far have not lost an acre from winter injury.

As County Agricultural Agent in Essex Co. for three years, 1918-19-20, established alfalfa seed demonstration plots in practically every town in the county. Baltic easily leads the average in both yield and endurance, with 19-A close second. I am glad to give this reference as I feel you deserve much credit for developing a strain of alfalfa that will endure this severe climate, the crop that increases the profits of the efficient farmer many fold.

You are welcome to use the enclosed photos if you wish, but kindly return them as soon as convenient. I have not been able to get others printed as plain as these.

Yours truly,  
JAY GELDER.



Field of Disco Baltic Alfalfa, Ledgetop Farm, Crown Point, Essex County, N. Y. Hon. F. L. Porter, Owner, Jay Gelder, Mgr.



## Greater Profits From Registered Alfalfa

It is just as important to know the kind of Alfalfa you plant as it is to know the kind or variety of corn, wheat, oats or any other farm crop—in fact it is more important because a single seeding of Alfalfa lasts for several years (if you plant **Disco Registered Alfalfa Seed**) while grains are merely one-year crops. Instead of buying just Alfalfa seed, buy **Disco-Baltic**, **Disco-Grimm**, **Disco 79**, **Disco 19A**, or any other **Disco** registered number, and thus be able to **know** just what you are getting and be able to secure more seed of the same number or its equivalent later.

A seeding of ten to twelve pounds per acre of **Disco Registered Alfalfa Seed** invariably gives greater returns than fifteen to twenty pounds of ordinary commercial Alfalfa. The cost per pound of seed may be more, but the lighter seeding required and the greater returns from **Disco Registered Seed** make your profits nearly double.

**REGISTERED DISCO NO. 28**—This has proved the most universally popular and useful of our Registered Stocks. The testimonials we have received regarding it have been very satisfactory indeed. It has resisted winter-killing in the Northern sections, where freezing and thawing are prevalent, and in other sections, where the water level is somewhat high, it has continued to grow where the common tap-root type has completely disappeared. It has also, owing to its bushy habit of growth, yielded a heavier crop of hay than the common variety.

**DISCO NO. 26**—Believed to be of Turkestan origin; has been grown in the Northern half of Meade and Southern half of Perkins Counties, South Dakota, for the past sixteen years. This has proved to be a very popular strain.

**DISCO NO. 38**—This strain runs **Disco 28** very closely in popularity. It has been grown in Western Meade and Southern Butte counties for over twenty-five years. Large quantities of this seed are distributed by us every year in Oregon and other Western states, where it gives extraordinary good satisfaction in the drier areas without irrigation. The seed stock is an excellent quality.

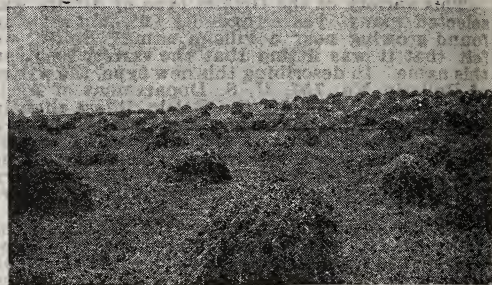
**DISCO NO. 79**—A native of the Black Hills region, having a continuous record of over twenty years; very popular; produces a heavy crop of hay and is also a great producer of seed.

**DISCO NO. 80**—Grown in Jones and Lyman counties, South Dakota. In this type the drought and cold resistant characteristics have been developed to a marked degree. We can recommend this strain with perfect confidence.

**DAKOTA 12**—A native of the Black Hills district, which has given excellent results to many of our customers.

## Disco Grimm

We need not elaborate upon the history of **Grimm Alfalfa**, it has been so often referred to that it is known almost everywhere where Alfalfa is spoken of. Suffice it to say that our stock has been grown under the most exacting conditions, so that its hardiness and its well-known resistance to winter-killing have not only been maintained, but by constant selection have been very much improved.



Field of **Disco Grimm 19-A Alfalfa**, Ledgetop Farm, Essex County, New York, Hon. F. L. Porter, Owner, Jay Gelder, Mgr.

## Disco Grimm No. 19-A

From the Grimm type, excels its parent plant in a remarkable manner. Was selected from a large number of trials in our Alfalfa Nursery. The plants showed characteristics which distinguished them from all others. These plants were isolated and the seed carefully saved. It has been grown year after year producing an abundant seed crop, enabling us to distribute the product over a very extended territory and we have very gratifying reports as to its success.

## Cossack Alfalfa

We believe Cossack is a hardy variety, and suited to Northern sections, not any harder than Baltic or Grimm, but there may be districts where it would excel. We consistently refused to recommend it to our customers while it was being sold at what we considered exorbitant prices, but now that seed is becoming more plentiful, and consequently more moderate in price, we have provided ourselves with some excellent seed, guaranteed to be the true variety and we recommend a trial.

## Dakota Grown Common Alfalfa

INOCULATE THIS SEED WITH HUMOGERM

For the sake of our customers who do not care to pay the price of either Registered or Pedigreed Seed, we always carry a choice stock of the common variety produced on selected fields in South Dakota, of undoubted hardiness.

Our splendid location, right in the heart of the very best growing district and our constant close touch with growing crops, places us in a unique position to select the very finest stocks that the country produces. These stocks are brought direct from the farms where they have been grown to our own up-to-date Cleaning Plant, and from there distributed by us all over the continent. This enables us not only to give the very finest possible seed, but we are also in a position to supply choice seed at a remarkably low price.

For special prices see colored sheet following inside front cover.



# Disco Alfalfa Trials

The Dakota Improved Seed Company believes fully in the handling of alfalfa seed on its "performance record" or "making good." Nothing ever permanently succeeds that hasn't back of it a foundation of real merit. As soon as this company was formed the policy was adopted of backing up the Agricultural Experiment Stations in their work with farm crops.

With Disco Alfalfa the situation was somewhat different than with some of the other crops. Improved strains of alfalfa were being developed and introduced by the Dakota Improved Seed Company, so the plan was adopted of furnishing samples of Disco Registered Alfalfas sufficient for trial, gratis, to all the state experiment stations and county demonstration farms and farm bureaus.

Comparative Yield of Alfalfa Varieties at Newell, S. D.

Variety.	Seed, pounds per acre (1)			Total.	Hay, pounds per acre (2)			Total hay, tons per acre.
	1914.	1915.	1916.		1914.	1915.	1916.	
Common, Kansas.....	142	18	78	238	782	5850	2395	4 5
Turkestan.....		15	90	105		5830	2535	4 2
Canadian, Variegated..	166	60	80	306	900	6670	2490	5 0
Grimm.....	167	98	88	353	894	6570	2585	5 0
Cossack.....	110	45	70	225	795	7030	2650	5 2
Baltic.....	186	102	142	430	994	7550	2880	5 7

- (1) Yield of 1 plat of each variety each year.
- (2) Average yield of 3 plats of each variety each year.

Comparative Yield of Alfalfa Varieties at Brandon, Man., Canada.

Variety.	First cutting.			Second cutting.			Total yield of hay per acre.	
	Date.	Yield per acre.		Date.	Yield per acre.			
		Tons.	Lbs.		Tons.	Lbs.	Tons.	Lbs.
Baltic. ....	June 28, 1917	2	40	July 28, 1917	.....	1580	2	1620
Cossack . . .	June 28, 1917	1	1840	July 28, 1917	.....	1680	2	1520
Turkestan . .	June 28, 1917	2	160	July 28, 1917	.....	1340	2	1500
Grimm . . . .	June 28, 1917	1	1440	July 28, 1917	.....	1820	2	1260
Liscomb. . .	June 28, 1917	1	1200	July 28, 1917	.....	1440	2	640
Montana. . .	June 28, 1917	1	1120	July 28, 1917	.....	1200	2	320

ALFALFA VARIETY WORK AT DELTA STATION—1916, 1917, 1918.  
1-7 Acre Plots (3 Series). Table No. 11.

Variety.	Yield in pounds, Hay per plot (field-cured)			Average.		Increase over poorest yield.
	1916.	1917.	1918.	Per plot.	Per acre.	
Common.....	915	1276	1095	1129	7903	.....
Grimm No. 240.....	1244	1310	1277	1277	8939	1036
Disco No. 19A.....	1330	1316	1323	1323	9261	1336
Baltic No. 204.....	1087	1480	1028	1198	8386	483
Disco No. 32C.....	1239	1550	1392	1394	9758	1855
<b>Disco No. 28</b> .....	<b>1187</b>	<b>1726</b>	<b>1456</b>	<b>1456</b>	<b>10192</b>	<b>2289</b>
Disco No. 79.....	1114	1520	1317	1317	9219	1316
Disco No. 36.....	1233	1520	1406	1386	9702	1799
Disco No. 37.....	1222	1494	1408	1375	9625	1722
Turkestan.....	1015	1414	1213	1214	8498	595
Cossack.....	1056	1240	1148	1148	8036	133
Common S. D. No. 12.....	1208	1560	1434	1401	9807	1904
Common U. S. D. A.....	1149	1306	1227	1227	8587	684

## SOUTH DAKOTA LAND WILL GROW PEANUTS, BELVIDERE MAN FINDS

Belvidere, S. D., Nov. 28.—Peanuts have been added to the other products of this part of South Dakota and promise to become an important crop during the coming years. Fred Babcock, a farmer of this part of western South Dakota, reports that he this season raised 25 bushels of peanuts, and that they are exceptionally fine and will compare favorably with the southern product. Babcock had about half an acre planted to peanuts and during an ordinary year would have had about 50 bushels, but the excessive rains of the past summer reduced the yield, as peanuts to be successfully grown do not require very much moisture.

Extract from letter received from Jos. L. Matthews, Cashier of Bank of Sikeston, Sikeston, Mo., June 19, 1922.

Gentlemen: Disco 28 is the best Alfalfa I ever saw, and the 100 lbs. I bought last fall is in the same field with other Alfalfa, and is much better.

Here is another one from Colorado. From Lou D. Sweet, President, Sweet's Seed Farm, Inc., April 6, 1923.

Gentlemen: I have referred Senator Phipps and several others to you this spring for Disco No. 11-C Seed, as it has proven by far the best alfalfa under our conditions.



# *Disco* Pedigreed Seed Corn

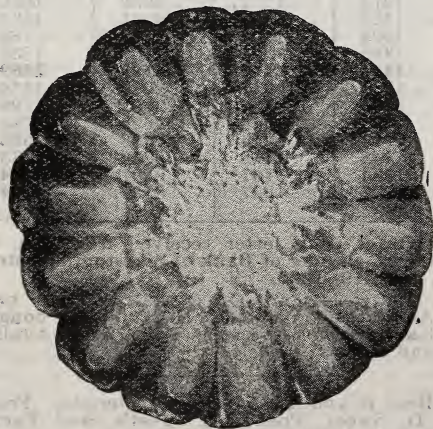
## Dakota Grown, Early, Hardy, Well Matured

Located as we are in the best Seed Corn growing district in South Dakota with our own spacious and up-to-date drying racks and cribs and latest type of shelling and grading machinery. Giving personal attention to our growing stocks we are ideally situated to give Seed Corn service. Our stocks being grown under rigorous climatic conditions, yet rarely being affected by frost, enables us to offer varieties of Seed Corn well adapted to South Dakota, North Dakota, Montana, Minnesota, Northern Nebraska, Northern Iowa, Northern Illinois, Wyoming, Wisconsin, Michigan, the Northeastern States and Canada. Like all our seeds, Corn is sold on our absolute money back guarantee.

Get a copy of our Booklet, "Corn Culture in the Northwest." 10c. Free with orders on request.

**Disco or Riverview Special—Yellow Dent—**The very best 90-day yellow dent at present on the market. Year by year it enhances its popularity and the number of its users is extended so that it is grown with marked success and satisfaction all over the Northwest. It was developed by us more particularly because of its hardy nature, while at the same time it gives a good ear with a very high-shelling percentage. The ears will average eight and one-half inches in length, with a girth of seven inches, with from sixteen to eighteen rows well carried out at butt and tip. The color is a rich yellow and the grain is unusually deep, of smooth, handsome appearance. The ears are well formed, uniform size and of moderately strong shank. It has a very leafy growth and attains a height of from seven and one-half to eight feet, and usually yields from forty to sixty bushels per acre. Riverview Special is also well adapted for drilling in for use for ensilage or fodder. We strongly recommend this.

**Minnesota 13—Yellow Dent—**We aim to retain the earliness of the original type by regularly obtaining our seed for our own planting directly from the Minnesota Experiment Station. This enables us to offer high class seed. We never had better Minnesota 13 than we have this year and we recommend it with confidence.

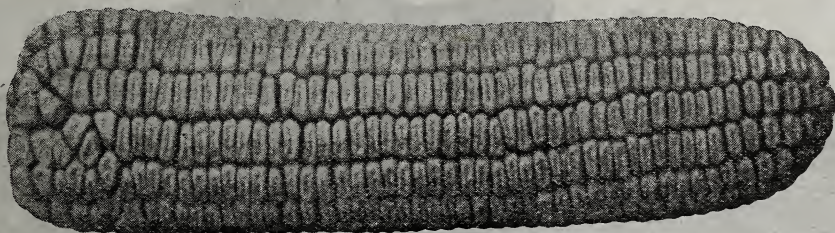


Cross section of Disco Special. Note the small cob and deep kernel of this variety.

Disco or Riverview Special

For special prices see colored sheet following inside front cover.





Wimples Yellow Dent

## *Disco* Pedigreed Seed Corn

**DISCO Early Murdock—Yellow Dent**—One of the earliest of the deepkerneled types, well fixed and is rapidly leaping into popular favor. Will grow to a height of from six to eight feet, has a stiff stalk which stands up well. Ears are borne well up on the stalk so that they are easily husked.

**DISCO Pride—Yellow Dent**—A very early variety of corn. Especially well adapted to the northern part of South Dakota, North Dakota, Montana and Western Canada. The strong features of **DISCO Pride** are earliness, deep kernel, small cob and its ability to resist dry weather.

**Pride of the North—85-Day Yellow Dent.** Bright red cob, ears medium size with deep kernel. Many of the stalks have two good ears. We introduced this variety for the first time two years ago. Our customers who used it are well pleased with the results. Well adapted for North Dakota and northern Minnesota.

**Wimples Yellow Dent**—This variety is very popular in many districts where it seems to excel all others and we recommend it for trial where other varieties already tried have not been entirely satisfactory. It belongs to the early type of yellow dent, especially adapted for the northwest. The size of the ear is surprising, averaging from nine to nine and one-half inches in length and from six to six and one-half inches in girth, containing from sixteen to eighteen rows. One of the best short season varieties on the market.

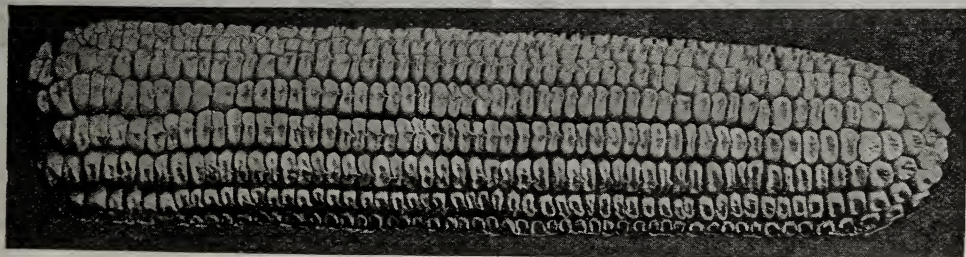
**Reid's Yellow Dent**—The origin of this variety dates away back to 1846, and like many other important discoveries, or crosses in plant life, which have become permanent factors, it was purely accidental. Robert Reid, after whom the corn was named, had been growing a variety known as Gordon Hopkins, which he had brought

from Ohio to Illinois. He had a very poor stand and replanted the missing hills with a local grown small yellow variety. The cross thus obtained was the beginning of the Reid's Yellow Dent we know today.

The normal ears of this variety are from 10 to 10½ inches long and 7¼ inches in circumference. They are cylindrical or partly so in shape, often tapering off at the tip. The rows are straight, sometimes paired, the most closely spaced of any variety and from 18 to 24 in number. The butts are deeply rounded and symmetrical and the shank small. The tips are generally well covered, though often rather abruptly pointed. The cob is rather small and dark red in color. Our stock was grown in Davison County, acclimated and will mature in about 105 to 110 days.

**Leaming Yellow Dent**—This variety was originated in 1856 by J. S. Leaming in Clinton County, Ohio. By continuous selection he fixed the type which we find today grown extensively all over the corn belt. The distinguishing characteristics of this variety are its very tapering ear, with somewhat irregular rows of grain of a deep yellow color. The average length of ears is 8½ to 10 inches, circumference 7 to 7½ inches with 16 to 22 rows, and medium space between the rows. The butts are large with large shank, making it somewhat hard to break the ear off; tips are irregular, pointed and well covered with thick grains. Cobs are large, tapering and red in color, grain is deep yellow color 8-16 inch deep, dimple dented. The originator sought to develop tapering ears, believing in this way he would be able to best combine heavy yield and earliness. The stock we offer has been grown by us in Davison County, is thoroughly acclimated and will mature in about 100 days. The stalk is of medium height, the ears are not borne too high and when ripe hang downwards.

For special prices see colored sheet following inside front cover.



Reid's Yellow Dent





Northwestern Red Dent

## *Disco* Pedigreed Seed Corn

**DISCO 90-Day White Dent**—Rapidly becoming the most popular white variety on the market, is unusually early ripening, and a heavy yielder. Admirably adapted to northern sections of the country. The stalks grow to an average height of about eight feet and ears shoot out about three and one-half feet from the ground. We believe this to be the very best white dent on the market, and aside from its value for production of corn it is especially valuable for silage purposes.

**Silver King White Dent**—A very early white dent corn maturing a few days later than our 90-Day White, but produces a larger ear and deeper kernel. Recommended for southern South Dakota, southern Minnesota, Michigan, Wisconsin and the Eastern States. Produces 12 rows of deep-grained kernels. Ears well filled, medium

size, about 8 or 9 inches long. Does well in either wet or dry weather.

**Northwestern Red Dent**—Has now been on the market for 27 years and is still gaining in popularity. For the Northwestern States and Canada, we believe it is unequalled. Is really a hybrid type, being a cross between an early yellow dent and a flint variety. Many instances are on record where this corn has matured in eighty days, but even where it is grown for the soil it will mature corn sufficient to greatly increase its value for silage purpose. Usually grows to a height of from six to seven feet. The ears are well formed, averaging eight inches in length with fourteen rows of kernels. Particularly well adapted for hogging-off and if Rape is sown between rows at the last cultivation it gives splendid returns.

**For Special Prices see colored sheet following inside front cover.**



An interesting episode in the filling of the mammoth order for Seed Corn entrusted to the Dakota Improved Seed Company for shipment to Russia in February and March, 1922. Prominent Mitchell citizens gathered to witness the departure of a train from the company's siding.





Disco White Flint



## Pedigreed Seed Corn

### FLINT VARIETIES

The Flint type of corn is very popular in the Northern States and Canada, or in fact anywhere where earliness is demanded or where the crop is to be used for ensilage or fodder. The varieties we offer are early, hardy types.

**Longfellow Yellow Flint (75-Day Corn)**—Particularly well adapted for Northern planting. Eight-rowed ears, 10 to 15 inches long, 1 1/2 inches in diameter, small cob, large kernel and very broad. Very popular for the silo in Northern sections.

**Disco White Flint**—Pearly white, the ears have eight to ten rows and are eight to twelve inches long. Stalk grows four to six feet high. Ears borne from eight to twenty inches from the ground. A useful variety for hogging.

**Gehu Flint**—The earliest variety of Flint Corn. Ears small and are borne low down on the stalk. The color of the kernel is a light yellow. Will mature anywhere where corn can be ripened.

**DISCO Squaw or Rainbow Corn**—An unusually early variety, the kernels being all colors of the rainbow. Very popular for late planting. Ears are much larger than Gehu, some over 12 inches long, and it is a corn of good quality and yields well.

**King Philip Flint**—Extra early red flint. We have had a stock of this excellent variety grown in South Dakota and the result is an unusually early and hardy type. We recommend this selection very highly, believing it will prove to be one of the best; produces an unusually large ear.

## DISCO FODDER CORN

**DISCO Early Yellow Dent Fodder Corn**—When sown thickly in drills at the rate of from one to one and one-half bushels per acre, this variety will give a surprisingly large amount of palatable feed, much relished by all stock. May be run through an ensilage cutter or be fed in the rack.

**DISCO Medium Fodder Corn**—A medium early maturing type.

**Evergreen Sweet Fodder Corn**—This variety grows a leafy stalk, six to seven feet in height, forms good-sized ears and yields a large amount of succulent fodder to the acre.

### Ten Reasons Why Hogging-Off Corn is Profitable

1. Labor is saved. Ten to fifteen cents per bushel is taken off the cost of production.
2. Early maturity of the pig crop results with the corresponding top price for choice lights before the Fall drop. This often means one to three dollars per hundred on pigs.
3. Feed yard fertility is automatically returned to the land.
4. Pigs are kept healthy and vigorous, due to the exercise.
5. Gains are most rapidly and economically made. A pig "wants what he wants when he wants it," and should have it to get best results.
6. The green feed the pigs get in the corn field supplies sufficient protein feed to balance the ration.
7. Rape can be sown in hogging-off corn and thus double the production of feed on an acre. The ration will also be better balanced and a late fall pasture provided.
8. Fall crops can be put in on hogged-off corn ground, either fall-plowed or disked.
9. Brood sows running over the hogged-off area during the winter usually get enough feed to keep them going, and the exercise produces bigger, stronger pigs in the spring.
10. An early variety of hogging-off corn should be ready to turn the pigs into by August 20. Those shotes will go to market by the last of September and leave room in the hog barns and yards for a larger crop of fall pigs. This means a double turn-over in the hog crop every year.



Field of Disco Medium Fodder Corn

For special prices see colored sheet following inside front cover.



# *Disco* Guaranteed Clovers

## Highest Grade, Thoroughly Recleaned Sweet Clovers



INOCULATE THIS  
SEED WITH  
HUMOGERM

### HUBAM

INOCULATE THIS  
SEED WITH  
HUMOGERM

**Hubam has come to stay;** like many another useful crop, Hubam has suffered thru the over-enthusiasm of some of its promoters. If one had taken literally the claims made for it by many who were its strong advocates, one would have thought that it was only a matter of time when it would have displaced all other clovers.

It will, no doubt, be recalled that we maintained a somewhat conservative attitude, and recommended caution.

As a result of our experience of the past year we believe more strongly than ever that Hubam has a distinct place in agriculture, and without displacing any other clover, has come to stay. Its rapid growth is remarkable, in fact it will make almost as much growth in one year as the biennial variety will make in two. As a catch crop it is unique, can be sown as late as July and will make a crop. It is second to none in value for seeding down with a small grain crop, after the grain is cut will give lots of Fall pasture and will also fertilize the land wonderfully.

Bee experts tell us that the honey produced from Hubam is the best of any. It is no longer an experiment and will, we believe, be used this year more extensively than ever.

We have an excellent lot of seed grown from the original stock from the Agricultural College at Ames.

### BIENNIAL WHITE BLOSSOM (*Melilotus alba*)

Until a few years ago this Clover was not looked upon with any great degree of favor. Here and there there were those who had tested its value and persistently advocated its usefulness. Today the value of the plant is freely acknowledged by all progressive farmers. We cannot too highly emphasize its importance both for pasture and for hay, while as a soil builder and renovator it has no equal. We feel that it is desirable to lay emphasis on the fact that as a preparation for Alfalfa it is second to none. That is to say, where Alfalfa has been found difficult to grow the experience has been that by growing Sweet Clover for, say a couple of years, the land becomes inoculated with nitrogen-gathering bacteria, and it is usually then found that Alfalfa can be grown without difficulty.

**White Blossom Sweet Clover** is a biennial, lasts but two years unless the seed crop at the end of the second year is allowed to form and scatter. This adapts Sweet Clover very nicely into a crop rotation and also insures its easy elimination if it is desired to discontinue growing. The stock of seed we offer is of excellent quality, carefully recleaned over our high-grade machinery, scarified by our own scarifying machine, of high vitality and we believe we are offering the best value on the market.

### BIENNIAL YELLOW BLOSSOM (*Melilotus officinalis*)

Belongs to the same type as the White Blossom, excepting that the flowers are Yellow. It is claimed that it yields earlier and produces a finer quality of hay. It will not produce as heavy a tonnage as the White, as it is shorter in growth, but for early use it is superior to the White.

**Sow Clover with your Fall grain if you would maintain the fertility of your soil**

## VARIOUS CLOVERS

**Medium Red Clover**—Regarded as the most valuable of the Clover family; a dependable all-round variety. Not only does it produce a heavy weight per acre, but richness of the roots in nitrogen gathering bacteria means added fertility to the soil.

**Mammoth Red Clover**—Coarser and stronger growing than Medium Red. Well adapted for hay, if cut early, but is mostly used as a pasture and for fertilizing.

**Alsike or Swedish Clover**—Produces the finest quality of clover hay; unusually hardy, and well adapted for pasture. Thrives best on low and moist lands and is particularly well adapted for mixing with Timothy, as it will grow under similar conditions and can be cured well if grown in this manner.

**White or Dutch Clover**—A dwarf, close growing variety, in demand for lawns.

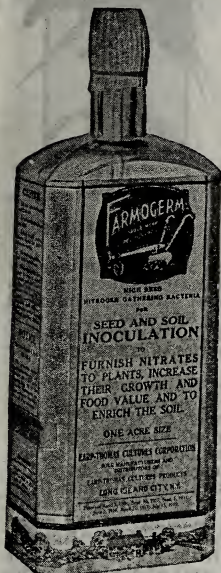
## Dalea Alopecuriodes

We secured a small quantity of this last year to try out in our trial grounds, but unfortunately we had a cloudburst at Mitchell just when the young plants were coming through, and as they were under water for 2 or 3 days, we got little information from our trial. Reports from other sections indicate that it has some value as a green manure crop, and will grow where other clovers are unsuccessful, in fact because of this feature it has come to be known as the "Sour Land Clover." We have procured a limited quantity for the purpose of enabling our customers to try it out this season.

For special prices see colored sheet following inside front cover.



# The Best Inoculation Cultures For Accumulating and Conserving Nitrogen



Use when you plant Clover, Alfalfa, Soybeans, Field Peas, Vetch and all other legumes.

These cultures contain millions of friendly, hard-working germs that have been bred to produce the largest nodules and to gather the largest amounts of nitrogen from the air. Science working with and assisting nature made the Holstein and Guernsey cows superior to the Scrub. Scientific breeding makes better hogs, better horses, better seeds. These scientifically bred cultures are far superior to the natural germs in the soil. Do not trust inferior cultures, nor the old-fashioned soil transfer—they will not give you as much soil building, and you are jeopardizing your crop.



## Make a Bigger Crop—Poor Soil Good—Good Soil Better

Build up barren soil, rebuild worn-out soil and conserve good soil by using good seeds, lime and this inoculation **every time** you plant legumes. Really, you pay for them whether you use them or not. Count your profit three ways—seed insurance, bigger legume crops, more nitrogen in your soil for crops that follow.

### How to Order

**HUMOGERM**—Scientifically bred bacteria on finely pulverized and sterilized humus in ventilated cans, bushel basis. If planting more than one bushel per acre, the one-bushel size contains sufficient inoculation for any amount of seed to be planted on one acre. **Prices, postpaid:**  $\frac{1}{4}$ -bu. size, 35c;  $\frac{1}{2}$ -bu., 60c; 1-bu., \$1.00;  $2\frac{1}{2}$ -bu., \$2.25; garden size, will inoculate 15 lbs. Peas, Beans or Sweet Peas, 25c.

**FARMOGERM**—Selectively bred bacteria on nitrogen-free media, in ventilated bottles, acre basis. **Prices, postpaid:** 1-a size, \$1.00; 3-a size, \$2.50; 12-a size, \$9.00; garden size, will inoculate 15 lbs. Peas, Beans or Sweet Peas, 50c.

**Inoculated Clover.** Besides the crop, the nitrogen nodules are worth \$30 an acre as fertilizer.





**Disco  
Guaranteed  
Seeds  
Meet Every  
Requirement  
of the  
Particular  
Planter**

See Guarantee  
Page 62.

## MILLETS

Millets today are occupying a much more important place in farm economy than ever. They constitute one of the best "catch crops" we have. Can be sown later than almost anything else and will give very fair returns under the most adverse conditions. We strongly recommend every farmer to include a quantity of Millet with his order, so as to have some of the seed on hand in case an opportunity offers where it can be used profitably.

**Common Millet**—Grows an exceptionally sweet and palatable hay. Will thrive on almost any soil; attains a height of from four to five feet and is unusually drought resistant, producing a fair crop on even poor soils.

**Dakota Kursk Millet**—This variety is a native of Russia and has been grown here for over twenty years. Experiments conducted at



**Golden Millet**

the Experimental Stations in South Dakota have demonstrated beyond dispute the value of this variety. As a hay and seed producer it is without equal and in dry seasons it seems it will out-yield any other variety. We confidently recommend our Dakota Kursk, believing that it will be entirely satisfactory.

**Siberian Millet**—A very fine variety of millet, also hailing from Russia. Unusually early, extremely hardy and withstands drouth. The plant shows a remarkable stooling habit, as many as thirty to forty stalks frequently grown from one seed.

**Golden, Liberty or German Millet**—Under favorable conditions the Golden Millet will undoubtedly produce the heaviest yield of hay per acre. It grows very densely and is an excellent cleaning crop.

**Hog, Proso or Broom Corn Millet**—Can be used for hay or as a cleaning crop just the same

as other millets. It, however, yields an unusually heavy crop of seed—from sixty to seventy bushels to the acre, and experiments at our Experimental Stations have shown that it is an excellent substitute for wheat. The seed will mature and be ready for cutting as a rule two months after date of seeding.

**Early Fortune Millet**—Of the same type as Hog or Broom Corn, with the exception that the color of the seed is red, whereas the Hog or Broom Corn variety is white. A good yielder, the seed being very valuable for either poultry or hog feed and it also yields a heavy weight of fodder.

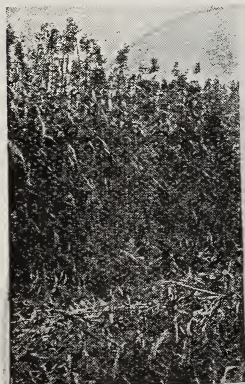
**Japanese Millet**—This is entirely distinct from other varieties of millet, both in habit of growth and character of seed. On account of its great value, it has sometimes been called "Billion-Dollar Grass." Will grow from six to nine feet high, stands up remarkably well and yields enormous crops.

## Fodder and Sorghum Canes

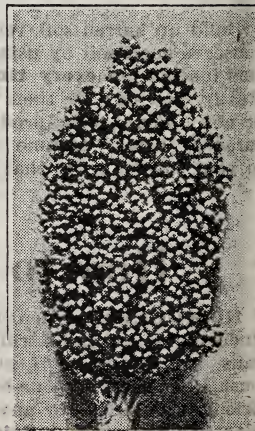
**Early Amber Fodder Cane**—This is the earliest of all Fodder Canes and is best adapted to the Northwest, where it succeeds unusually well. Should be sown at the rate of from 40 to 60 pounds per acre.

**Dakota Amber Sorghum Cane**—The earliest, richest and best Sorghum Cane for the Northwest, in fact we believe this is really the only variety that can be depended upon for the making of Sorghum or Syrup. Should be planted at the rate of from 4 to 8 pounds per acre, rows 3 ½ feet apart.

This comparatively new grain, belonging to the Sorghum family, and introduced from Africa by the United States Department of Agriculture, has rapidly made a favorable impression wherever it has been sown. It is wonderfully drouth-resisting, early and heavy-yielding and seems to be immune to the attacks of insect pests. If grown for the production of grain, should be sown in rows at the rate of 3 to 8 pounds per acre and cultivated, while if sown for fodder, should be broadcasted at the rate of ½ bushel per acre.



**Sorghum**



**Feterita**

## Kaffir Corn

Makes excellent fodder, either green or cured. The stalks will grow four to five feet high, and are very leafy and relished by all kinds of stock. If grown for seed, will generally yield from 35 to 50 bushels per acre. If grown for grain, sow in rows three feet apart, three to five pounds of seed per acre, and for fodder, broadcast at the rate of ½ bushel per acre.

## Milo Maize

Very similar in growth to Kaffir Corn, but is preferred by many growers, who claim that it produces more grain per acre and a better quality of forage. Should be sown in the same manner and at the same rate as Kaffir Corn.

**For special prices see colored sheet following inside front cover.**



# Disco Forage and Soiling Crops

## Soy or Soja Beans

INOCULATE THIS  
SEED WITH  
HUMOGERM

Possibly no other single race of plants have leaped so rapidly into universal favor as an agricultural asset as the Soybean. A few years ago it was spoken of as a good crop for Southern planting. Its value was early recognized by progressive farmers. The various State Agricultural Colleges have given a great deal of attention to this plant and, as a result of their work, varieties are now available which are adapted for growing in any State in the Union, North, South, East or West.

Soybeans are more resistant to heat and drouth than are clovers and alfalfa. They rank with oil meals as a concentrated feed for cattle, sheep and hogs. The hay is almost equal to alfalfa in feeding value. Belonging, as it does, to the leguminosae, it is an excellent soil improver. When used in the silo in conjunction with corn, the added protein available makes a very valuable contribution to the feeding value of the silage.

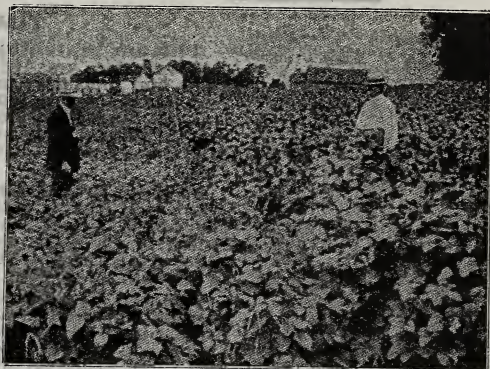
**Manchu**—This variety was imported from Northern Manchuria and has proved to be quite an acquisition for use in the Northern states, both for grain and forage. The plants are stout and very erect, a heavy yielder, and matures in about 110 days.

**Hollybrook**—About 10 days later than Manchu, but a heavier yielder, and for that reason a desirable variety to use for the silo.

**Ito San**—One of the earliest varieties at present in cultivation, and well adapted for Northern conditions. Not as heavy a yielder as some of the later sorts, but a very desirable variety on account of its earliness; matures in about 105 days.

**Early Black**—This is the first variety we distributed in South and North Dakota and Minnesota and it has given excellent results. It grows from 18 to 20 inches high, matures in about seventy-five days, and is well adapted either for silo, pasture, hay or grass.

**Early Brown**—A very useful variety for Northern conditions, grows taller than the Early Black and is a trifle later, but can generally be depended upon to mature before frost. Makes a strong leafy growth, and is well adapted for hay or silo.



Field of Ito San Soy Beans

## Sunflower

**Russian Giant**—The value of this plant has been demonstrated with unusual emphasis during the past few years and it is now being used extensively as far north as Edmonton in the Canadian West. Used in the silo either alone or in conjunction with corn, it provides excellent feed and gives a heavier weight per acre in the North than can usually be obtained by the planting of corn. Aside from its value in the silo, for poultry feeding it is second to none, and the dry stalks make excellent kindling.

## Field Peas

One of the best annual legume crops for the Northwest, as the cool temperature at nights just seems to suit them and they make their best growth under such conditions. If sown with oats they make excellent feed and are more easily harvested and if necessary can be separated in cleaning.

**Canadian Field**—Grow to a height of four feet and will yield from 30 to 40 bushels per acre.

## Sudan Grass

A great drouth-resistant hay crop. This comparatively new grass has very rapidly made a place for itself in agricultural economy all over the United States and Canada. Being susceptible to frost, it should not be sown until late in the season, but under favorable circumstances will mature in a marvelously short period of time; the first crop being ready to cut less than fifty days after seeding, and after cutting, it renews its growth promptly, and generally speaking, in from 30 to 40 days another cutting can be made. Will grow in almost any kind of soil; is unusually drouth-resistant. Provides excellent hay which is easily cured. The seed we offer is free from impurities of any kind and is of high vitality.

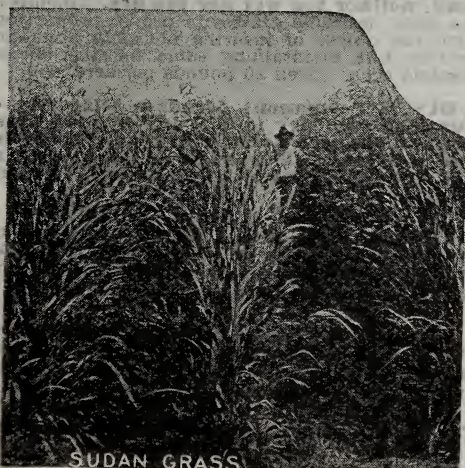
## Field Beans

Grow these for winter use; all our seed is Dakota grown, perfectly acclimated and will grow quickly and mature rapidly.

**Great Northern**—Originally grown by the Indians, very hardy and early, much improved by selection and we consider them the best quality White Bean in cultivation.

**Small White Navy**—Local grown so that their earliness and hardiness is assured. The skin is very thin and the bean is of excellent flavor.

For special prices see colored insert following inside front cover.





# Disco Selected Grass Seeds

## TIMOTHY

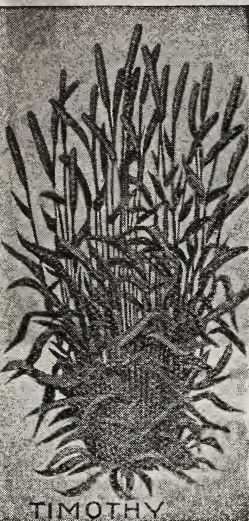
(*Phleum pratense*)—One of the most useful and valuable grasses; of wonderful nutritious value and unusually productive; the seeds being very small and produced in great abundance, makes it the most economical of grasses; extremely hardy; seldom winter-kills and stands heat and cold equally well. Sow 10 to 12 pounds to the acre.

**Awnless Brome Grass (*Bromus inermis*)**—A native of Russia, well adapted to a cold climate. One of the deepest-rooting grasses in cultivation. Suited to dry soils. Makes the best of pasture, being green the first thing in the spring and late in the fall. Sow from 20 to 25 pounds per acre.

**Western Rye Grass (*Agropyrum tenerum*)**—Sometimes known as **Slender Wheat Grass**. Adapts itself to varied conditions and will thrive almost anywhere; grows successfully even in alkali soil; yields an abundance of nutritious hay. Sown on land that has become worn out and depleted of fibre, after two or three years, whether sown for hay or pasture, when broken up will be almost like new land. Sow 15 pounds to the acre.

**Meadow Fescue or English Blue Grass (*Festuca pratensis*)**—A very useful grass for permanent pasture; makes excellent hay. Sow 15 pounds to the acre.

**Red Top, Solid Seed (*Agrostis vulgaris*)**—Also known as **Herd's Grass**, grows most lux-



TIMOTHY

uriantly on moist, rich soils; very robust; produces strong, thick roots and makes a firm sod; very desirable for pasture purposes. Will succeed well on alkali land where other grasses fail. Sow 10 to 12 pounds of solid seed per acre.

**Kentucky Blue Grass (*Poa pratensis*)**—Also known as "**June Grass**." Produces an excellent pasture of a beautiful verdant green and is particularly adapted for seeding on a pasture field surrounding the home where a good sod of pleasing appearance is desirable. Sow from 30 to 40 pounds per acre.

**Canadian Blue Grass (*Poa compressa*)**—Very similar to the Kentucky; grows coarser, and the stems, as its botanical name indicates, are flattened. It will grow on poor soils where Kentucky would not thrive.



KENTUCKY BLUE GRASS

**Perennial Rye Grass (*Lolium perenne*)**—An excellent grass for permanent or temporary pasture. The hay is relished by all kinds of stock and will also stand close pasturing. Sow 11 pounds per acre.

**Crested Dogtail (*Cynosurus cristatus*)**—A very hardy, compact growing grass, which forms a lasting turf. The roots penetrate deep; and the plant withstands dry weather unusually well. Sow 30 pounds per acre.

**Orchard Grass or Cocksfoot (*Dactylis glomerata*)**—A very useful grass either sown alone or combined with other grasses for permanent pasture. One of the earliest grasses in the spring; is unusually productive.

# Disco Selected Mixtures for Various Purposes

We recommend the mixtures offered with the utmost confidence. They are based on systematic trials made by the leading agriculturists and experiment stations throughout the country. If you want mixtures for any purpose not enumerated here, kindly write us. Our experience is very gladly at your service.

**Annual Hog Pasture Mixture**—Some years ago we were asked to make up a special mixture by some of our customers that would be suitable for seeding down in odd places which would otherwise be treated as waste land, for the purpose of providing a quick-growing annual hog pasture, and after careful research and several experiments we prepared a mixture which has been giving wonderful results. This mixture may be sown in any waste patches or on pastures where the grass has become thin, may be sown about corn-planting time, sowing from thirty-five to fifty pounds per acre. Hogs thrive on this much better than they do on any single variety, as it gives them just that change of diet that all animals require.

**DISCO Permanent Pasture Mixtures**—a. For high and dry land. b. For good rich land, neither too wet nor too dry. Blends of the most desirable grasses in proper proportion with the object of insuring not only abundant pasture but maintaining same for the longest possible time. Seed 20 pounds per acre.

**DISCO Permanent Meadow Mixtures**—c. For high and dry land. d. For good land neither too wet nor too dry. e. For mols and wet land. Blended in such proportion a will insure the heaviest possible crop of good quality hay.

**Timothy and Alsike Mixed**—The mixture we offer of these two desirable grasses is blended in such proportions as years of experience have shown to give the most desirable combination.

**Timothy and Medium Red Clover Mixed**—This also makes a very useful mixture for temporary meadow, and gives a heavy crop of excellent hay of high feeding value.

For special prices see colored sheet following inside front cover.



# Rape—Dwarf Essex

## The Best Green Forage Plant for Sheep and Hogs

**Rape** can be put to quite a number of uses. It may be sown alone as a spring crop to provide early pasture. It may be sown with spring grain to provide fall pasture after the grain is cut. In this latter case it is better sown after the grain is up and the ground dragged immediately after sowing to cover the seed. As it is a common practice to drag or weed our grain crops after they are up, the sowing of Rape at this time can be easily done. Rape may also be sown just before the last cultivation of corn to provide fall feed and increase the yield of feed per acre, or Rape may be sown with Fall Rye to provide fall pasture.

The uses of Rape are not limited to those mentioned above, as it may be sown at almost any time of the year and will provide quickly a large amount of forage. Livestock raisers have not yet come to realize the possibilities of Rape. There are thousands of acres of land sown to small grains that could be made to yield an abundant fall pasture by the sowing of two pounds of Rape seed to every acre of ground. The cost of the seed is so trifling and so small an amount is required that there is really no expense connected with it compared to the value of feed that is secured. The amount of seed to be sown per acre varies from two to six pounds, depending upon the way it is handled. When sown alone, from five to six pounds are recommended. When sown with small grain, two to three pounds.



One Plant Dwarf Essex Rape

Our sales of Rape have made phenomenal increases during the past few years. We used to sell only a few thousand pounds per year, now we handle regularly in straight carloads. This means that we import direct from the grower, thus not only enabling us to sell the very finest quality at the lowest price, but also insures our customers getting new crop seed of strong and rapid growth.

It pays to have rape seed on hand on the farm. There are often times when it could be profitably used if you just had it handy without having to send for it.

### TESTIMONIALS

Gentlemen:

I am well pleased with all of the seeds I bought from you. You may expect another order from me next spring.

MRS. LOUIS GILSTER,

Pender, Neb.

August 15, 1923.

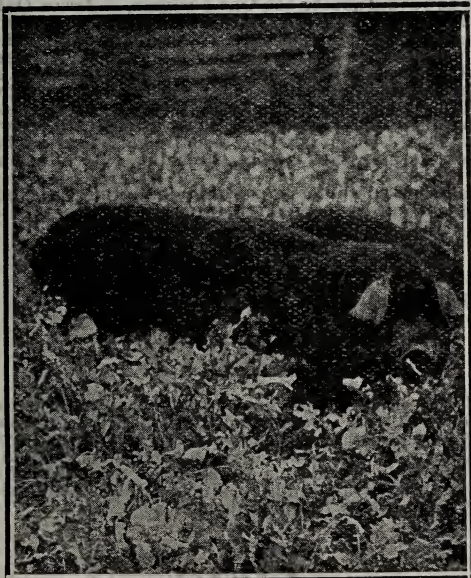
"This will be our third year using your seeds and have found them more than satisfactory. We had cucumbers both years earlier and later than others around here. The Pea seed is extra fine."

OSCAR OVERGAARD,

Wagner, S. Dak.

April 7, 1923.

For special prices see colored sheet following inside front cover.



Hogs or any other livestock to thrive properly need a change of feed now and then; nothing serves the purpose so well as Dwarf Essex Rape. The hogs in the picture are anticipating a treat.



# Disco Selected Pedigreed Seed Grain



## Disco 22 HULLESS OATS

**INTRODUCED BY US FOR GENERAL DISTRIBUTION IN 1922  
THE FIRST REALLY PRACTICAL AND USEFUL HULLESS OAT**

We take pardonable pride in being the first introducers of this valuable oat in South Dakota and neighboring states, which we believe has fulfilled every promise we have made regarding it. Placed now entirely beyond the experimental stage, it bids fair to revolutionize the Oat business, so far as Oats for hog feeding, chicken food or even Oats for human consumption are concerned. No need to buy Rolled Oats. If you grow Disco No. 22 Hulless, you can "roll your own." Just think of the saving this means; you cut out the freight to the mill, the freight back, and several profits by handlers in between.

Disco 22 Hulless Oats have yielded as high as 60 bushels per acre, can be grown just the same as other Oats. They are early maturing, ripening just a little later than the 60-Day variety. They grow with a hull on, but the hull comes off in threshing. They weigh, as a rule, about 50 lbs. per bushel but are sold on the basis of the standard bushel (32 pounds). They should be sown at the rate of two bushels (64 pounds) to the acre and the seeder set as for Rye. When cut they usually carry quite a lot of moisture and should be stacked, and allowed to sweat in the stack before threshing. By adopting this plan they will thresh out good and dry.

We have received many flattering testimonials from our customers regarding these fine Oats, but will content ourselves by quoting only the following from our esteemed customer, Mr. Herman J. Bohl, who wrote on October 24, 1923, as follows:

Dear Sirs:

Last Spring I purchased some Hulless Oats from you. They were the best Hulless Oats I ever saw. I had some here from another seed house, and sent them back after I got a look at yours.

## BARLEY

**Manshury**—We believe this to be the best all-round type of Barley for the Northwest.

**Oderbrucker or Wisconsin No. 55**—Being a very important crop in Wisconsin, the State Experiment Station has given somewhat close attention to the selection of Barley, and Oderbrucker is one of their best selections. Said to be the heaviest yielder on the market.

**Improved White Hulless—Beardless**—A totally distinct Barley, inasmuch as it is both hulless and beardless and is much better adapted for sheaf feeding than the ordinary barley, as the beards are most disagreeable fed to stock in this manner. Very early and makes an ideal cleaning crop.

See the DISCO GUARANTEE on page 62.

For special prices see colored sheet following inside front cover.

## SPELTZ

The value of this crop is only beginning to be fully realized. Somewhat similar to barley, one of the surest crops known. Gives good returns even under the most adverse conditions, yielding from 35 to 50 bushels to the acre. Can be profitably fed to all kinds of stock. Sow at the rate of two bushels (84 pounds) per acre.

## FLAX

**N. D. R. Wilt-Resistant**—Flax in the Northwest is a paying crop, being especially valuable for seeding on new land as it does well as a first crop on new breaking. Flax is also valuable for late seeding as it can be sown when it would be too late to expect a crop even from oats or barley. The seed we offer is grown on new land and is of fine quality and free from weeds.





Field of New Ruby Spring Wheat

## KOTA WHEAT

This wheat was originally brought from Russia in 1903 by Mr. H. L. Bolley of Agricultural College, N. D., one of North Dakota's most distinguished agriculturalists. Mr. Bolley in writing us regarding this wheat says: "This is a wheat of the bread wheat type. It ought to class as 'Hard Red Spring.' A bearded wheat of the Velvet Chaff or Preston type." He further states: "I find it to be non-resistant to lesser leaf rust but highly resistant to stem rust." This wheat has attained considerable prominence as a rust resisting wheat and we believe it is well worth a trial where rust has been a menace or on wheat sick soils.

## MARQUIS WHEAT

Where this variety succeeds well and is not affected by rust, there is nothing better. It has, however, shown a very decided tendency to rust in many districts, and we do not recommend it for general use. The stock of seed we offer is very fine, of high purity and germination, free from bearded heads or other variations from the true type.

## Kubanka Durum or Macaroni

Within the past few years has very rapidly increased in favor owing to the fact that it is unusually rust and drought-resistant. Where Marquis and other varieties have been completely destroyed by rust or have failed to produce a crop owing to drought, wonderfully good returns were obtained from Kubanka. We strongly recommend a trial of this variety.

## ACME DURUM

This is a very fine selection of the Durum type, which has given excellent results in many parts of the Northwest States. We have an excellent stock of high grade seed, free from weeds and true to type.

## New Ruby Spring Wheat

This variety, which we introduced for general distribution for the first time one year ago, has given quite satisfactory results. We explained in our catalog a year ago the reasons why we recommended it, viz.: A wheat of the same type as Marquis, equal in milling quality, but from ten days to two weeks earlier. Where Marquis has been a failure, owing to hot winds striking it just before the crop is made, or where rust has affected the development and reduced the yield and quality, Ruby will win out, and has done so. We recommend this variety with a great deal of confidence.

## New Kanred and Turkey Red

We have made arrangements to have a good supply of choice Certified Seed and will be glad to have inquiries in the Fall.

## PROLIFIC SPRING RYE

For several years under different conditions it has yielded five bushels per acre more than the common variety. In fact, it is the highest yielding variety we have so far tried. The stock we offer was grown in Hanson County, South Dakota, under our own supervision from Elite stock seed, was well harvested and is a splendid sample.

For those who want the best there is, Prolific fills the bill.

## SPRING RYE

We have an excellent stock of well-grown, well-cleaned and graded seed of the old standard variety that has proven so satisfactory during the past few years.

For special prices see colored sheet following inside front cover.



# *Disco* Pedigreed Field Roots

The value of Root Crops has not so far been fully appreciated. They are rich in both starch and sugar; their total food value per pound is from 1  $\frac{1}{4}$  to 2 times as great as corn and 4 to 6 times as many pounds can be produced in the same area. They are easily stored and will keep all winter; in fact, Bangholm Swede will keep in sound condition until the following May or June.



Field of Rutabagas

## Purple Top Swede or Rutabaga

**700 Monarch**—An early, heavy-cropping, oval-shaped Rutabaga of fine quality. Best for early use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c; 5 lbs., \$3.50, postpaid.

**703 Bangholm**—Hardy, round-shaped Swede, excellent cropper; good keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c; 5 lbs., \$3.50, postpaid.

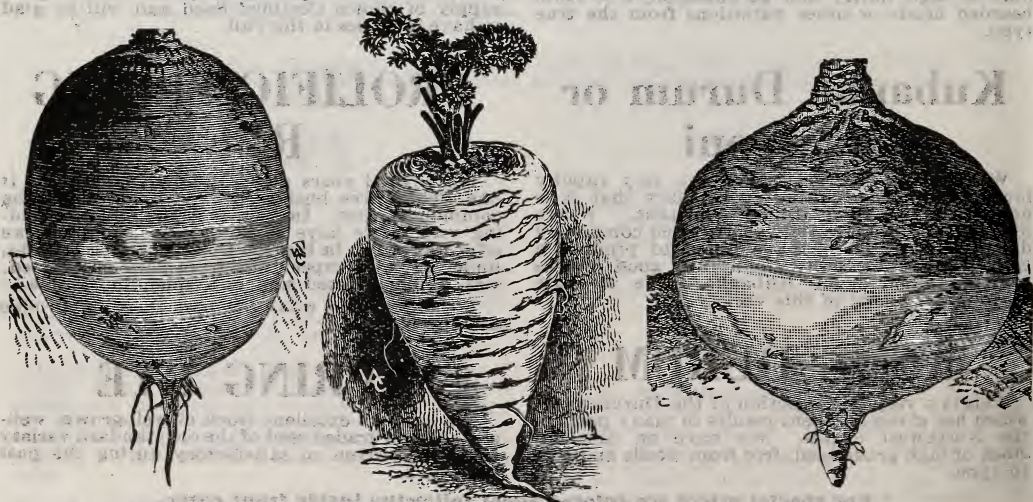
you will be convinced of their value; if you have not, then we most heartily recommend you to do so.

**750 Giant White Vosges**—Very popular all over the world where Field Carrots are grown. An unusually heavy cropper; excellent feeding qualities. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 75c; 5 lbs., \$3.50, postpaid.

**751 Long Red Surrey**—Many prefer to grow an orange carrot on account of its better eating qualities. While it is admitted that white carrots are the heaviest-yielding it is recognized that for eating purposes the orange carrots are in favor. Long Red Surrey is a heavy yielder, fine length, thick crown, very little core, smooth, sweet, clean, tender, crisp and mellow. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 5 lbs., \$4.00, postpaid.

## Field Carrots

The value of Carrots for stock feeding is being increasingly understood by progressive stockmen all over the country. They are easy to sow, grow and harvest. If you have grown them before,

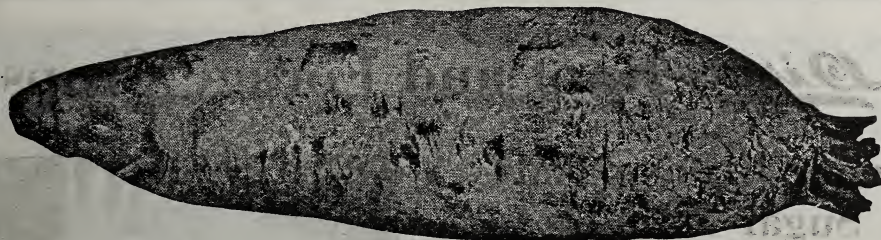


Monarch (700)

Giant White Vosges (750)

Bangholm (703)





Selected Mammoth or Glant Long Red (732)

## *Disco* Pedigreed Field Roots

### Mangel-Wurzel

**732 Selected Mammoth or Glant Long Red**—The heaviest cropper in cultivation; an area of this variety should always be grown to use in conjunction with the yellow varieties for feeding. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.80, postpaid.**

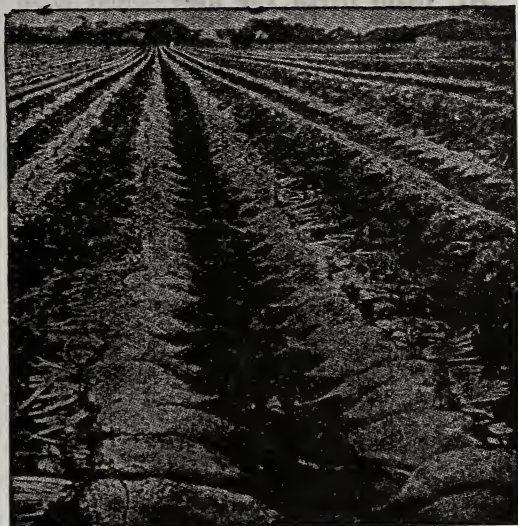
**733 Selected Golden Tankard**—Neat in appearance, with small tap root; a beautiful reddish golden skin, and sound, rich, firm, yellow flesh. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.80, postpaid.**

**730 Glant Yellow, Intermediate or Gatepost**—Grows to a great size, high out of the ground, good quality and heavy cropper. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.80, postpaid.**

**731 Prizewinner Yellow Globe**—A longish globe-shaped variety, very heavy cropper. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.80, postpaid.**

Answer the slogan: "Grow More Roots."

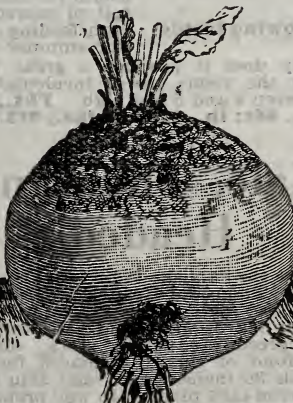
The roots from which our seeds are saved are carefully selected, true to type, heavy croppers, and high feeding value.



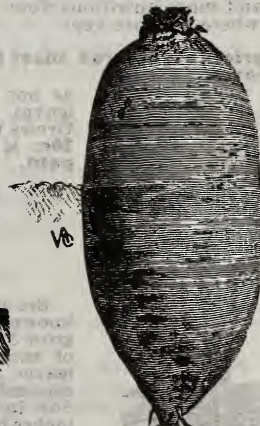
Field of Mangels



Glant Yellow, Intermediate or Gatepost (730)



Prizewinner Yellow Globe (731)



Selected Golden Tankard (733)



# *Disco* Root and Forage Crops

## Sugar Beet or Half Sugar Mangels

**740 Giant Green Top White**—A pedigreed stock of Sugar Beet or Half Sugar Mangel; bred to produce the highest percentage of feed value; a heavy cropper; much relished by stock; keeps well; easily harvested; skin a whitish color, shading to green at the top; flesh white, fine-grained, solid, tender and sweet. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.75, postpaid.**

**741 Giant Green Top Rose**—Grows to an unusually large size; of exceptionally high feeding value; color bright pink shading to a lighter color at the bottom; flesh white, crisp and sweet. While the Sugar Beet does not produce as heavy a crop as Mangel, it is preferred by some, particularly for dairy stock. **Oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., \$1.75, postpaid.**

## Sugar Beet

**742 Klein Wanzleben**—Quite a different type from the others offered; is not suitable for stock feeding, but the roots are used for the manufacture of sugar. In view of the high price of this commodity, which so frequently exists, we recommend every farmer to grow a few so as to produce enough sugar for home use. **Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50, postpaid.**

## Buckwheat

An excellent catch-crop, develops very rapidly. Useful either for hay or if allowed to mature gives an excellent grain crop which is much in demand for both poultry feeding and household use.

**Japanese**—The best variety for the Northwest. Produces its seed earlier, resists drouth and is very dependable.

**Silverhull**—While not quite so early as Japanese, is preferred by millers, as it makes a whiter, better and more nutritious flour. A nice variety to sow where bees are kept.

**For prices see colored sheet following inside front cover.**



**Kale Marrow Stem**  
(761)

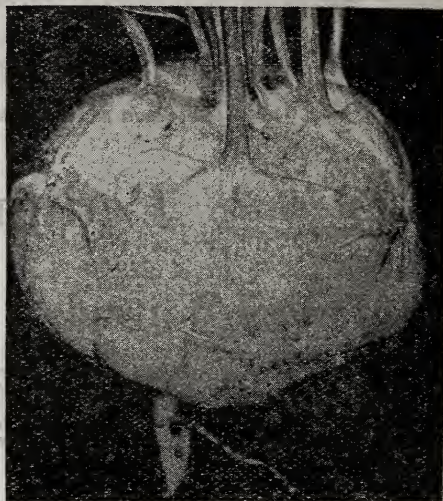
as not only does it produce a great weight of leaves, but the stems are of incalculable value. Grows between 4 and 5 feet high. **Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.50; 5 lbs., \$12.00, postpaid.**

## Kale, Thousand Headed (760)

Belongs to the cabbage family and is sometimes known as Thousand-Headed Cabbage. Will grow 3 or 4 feet high, and produces an abundance of succulent leaves all round the stem. These leaves are greedily eaten by stock, sheep being especially fond of them. Splendid for poultry. Sow in drills 30 inches apart, and thin out to 24 inches between each plant. In well prepared land, with frequent cultivation, will produce 15 tons of green feed per acre. Provides A1 pasture for all kinds of stock. **Oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., \$3.75, postpaid.**



**Kale, Thousand Head**  
(760)



**Kohl-Rabi (762)**

## Kohl-Rabi (762)

**Mammoth or Large Green**—The value of this excellent root is not sufficiently appreciated. For early fall use it possesses features which distinguish it from other root and fodder plants which justify its being included. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50; 5 lbs., \$11.50, postpaid.**

## Kale Giant Marrow Stem (761)

Sometimes referred to as **Duplex Rape-Kale** on account of the fact that not only are the leaves useful for stock, but the thickened stem, which is full of marrow and is softer than turnip, is of high feeding value and greatly relished by stock. For summer and early fall feeding is invaluable.





A beautiful lawn is a source of much pride and a good sound investment for the home owner.

## LAWN GRASS

Mitchell's Famous Corn Palace annually attracts thousands of visitors to our City, and after seeing and admiring our wonderful Auditorium, they naturally turn their attention to other interesting and attractive features, and not the least among these are the many beautiful lawns, not only around our public and school buildings and public parks, but also around our many beautiful private homes. These lawns constitute a very practical demonstration of the value of the Disco Lawn Mixtures.

**907 DISCO EVERGREEN LAWN GRASS**—Nothing adds so materially to the charm and distinguishes a home from a house on a vacant lot than does a well-kept lawn. This not only applies to the suburban residence in the city, or residence in the smaller towns, but applies with equal force to the farm. We venture to say that nothing would so materially improve and maintain our home-life as an improvement in the surroundings of the average farm home. The tendency is to spend money on automobiles to take the children away from home rather than make the home and surroundings so attractive that their desire will be to stay around home. That this is desirable from every standpoint cannot be gainsaid. We have had long experience in the preparation of lawn grass mixtures, and **DISCO Evergreen Mixture** represents the very finest combination of dwarf and close growing grasses which will form in a remarkably short time a soft, velvety turf. Our advice is gladly at your service in seeking to help you to establish a good lawn.

**DISCO EVERGREEN MIXTURE:** 1 lb. 50c; 10 lbs. \$4.90; 25 lbs. \$12.00; 50 lbs. \$23.50; 100 lbs. \$46.00. Postage or express extra.

**EMERALD EVERGREEN MIXTURE.** A mixture of less expensive grasses, suitable for ordinary lawn purposes, where a close velvety turf is not so essential.

1 lb. 35c; 10 lbs. \$3.45; 25 lbs. \$8.50; 50 lbs. \$16.75; 100 lbs. \$33.00. Postage or express extra.

Our Lawn Grass is famous for the splendid results obtained.

Dear Sirs:

Sept. 17, 1923.

Thanking you for writing me any way and will be pleased to hear from you any time and to receive your catalogue and if I can send any business your way will gladly do so as our former deals were very satisfactory.

ALVA E. RANDALL, Pillager, Minn.





The Back Yard Garden is a regular Gold Mine. From a very small investment you get a wealth of delicious fresh vegetables for your table and to can for winter use.

## *Disco* Vegetable Seeds

Our Vegetable Seeds represent the very finest types, selected with the greatest care. Grown under northern conditions by experienced and careful growers, they are guaranteed to please the most critical epicure. A few dollars spent in Seeds will give abundant returns, not only in actual financial gain, but in health and happiness. We supply simple Cultural Instructions with every order and our Service Bureau is always ready to help solve your problems.

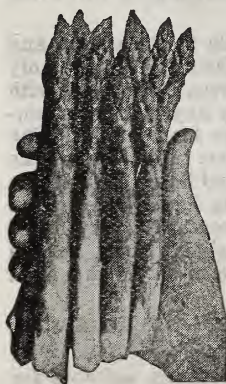
Located as we are in our own buildings, no high rents to pay, with low operating costs, our prices are low and quality the best. You will enjoy trading with us and we will be glad to number you among our friends.

### Asparagus

One of the earliest and most delicious spring vegetables. Should be grown in every garden.

**10 Conover's Colossal**—Distinguished by its superior quality, productiveness, evenness of growth and fine pea green colored shoots. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 70c, postpaid.**

**11 Roots**—Two-year-old. **Doz., 50c; 50 for \$1.75; 100 for \$3.00, postpaid.**



**Conover's Colossal Asparagus (10)**



**Golden Waxpod (20).**

### Beans

To insure hardiness, our Beans are grown as far north as possible, consistent with perfect development and proper maturity. We are not offering a lengthy list of varieties which usually only causes confusion. Our selection consists of what from long experience we believe to be the very best.

#### DWARF BUSH VARIETIES.

**20 Golden Waxpod, Imp.**—The most popular wax variety and one of the best. Very early and a heavy cropper, the pale yellow pods sometimes growing eight inches long. Flesh brittle, stringless and of good quality. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.**

**21 Disco Kidney Waxpod**—Resembles the old favorite Wardwells but more robust and prolific. Pods eight inches long, stringless, fibreless, very fleshy and brittle; attractive clear yellow color. **Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid.**

April 6, 1923.

"I planted your garden seeds last year and will say I never had seeds come up so good. We sure did like them fine."

**MRS. WALTER REYNOLDSON,**  
Saint Edward, Nebr.



**BEANS—Continued****DWARF BUSH VARIETIES**

**22 Pencil Pod Black Wax**—The finest of the dwarf black seeded wax varieties. Exceptionally early and productive. Pods seven inches long, round, straight and crease-backed, perfectly stringless, fleshy and brittle. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.

**23 Davis White Kidney Wax**—Early, productive and attractive, pods large and flat, 7 inches long, very uniform and straight, color clear bright yellow. Seed white kidney shaped. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid.

**30 Black Valentine, Greenpod**—Beautiful large pods, slender, round and nearly straight, fine-grained, and a nice dark green color. More vigorous grower than Red Valentine. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid.

**31 Disco Stringless, Greenpod**—Very early, hardy, vigorous and productive. Large pods, stout, round, tender and brittle; dark green in color. Perfectly stringless. Finest quality. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.

**32 Bountiful**—We consider this the best of the flat-podded stringless varieties, pods 7 inches long, color light green. Very early, vigorous, hardy and productive. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.

**POLE OR CLIMBING VARIETIES.**

**40 Emperor Scarlet Runner**—The largest podded variety, bearing a heavy crop of very fine handsome pods, borne in clusters, of excellent cooking quality. Useful for trellis work or veranda covering, its bright scarlet flowers and verdant foliage being very effective. See illustration. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c; 5 lbs., \$2.00, postpaid.

**41 Horticultural Pole, or Cranberry (October Bean)**—The well known standard sort; very hardy and productive; medium early. The pods which grow from five to six inches long are straight, flat, stringless and of excellent quality. The color is a beautiful dark green, splashed with bright red. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid.

**42 Kentucky Wonder, or Old Homestead**—Probably the most popular green-podded, climbing or corn-hill bean grown. Very early and productive, pods will grow to eight and nine inches long; are very slender, curved, and of tender quality. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid.

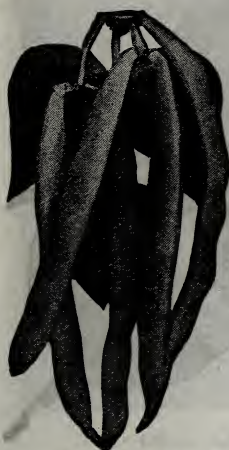
**43 Kentucky Wonder Wax**—One of the earliest of the pole wax varieties. Pods nine inches long, fleshy and brittle, color light yellow. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c; 5 lbs., \$2.00, postpaid.

**LIMA BEANS**

**50 Dwarf Sieva Lima**—A vigorous, hardy, very early Bush Lima, much in favor for canning. Pods are three inches long—containing three to four small flat white beans of good quality. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid.

**51 Fordhook Bush Lima**—One of the most popular, both for home use and with market gardeners. Pods usually grow about five inches long, contain four to five large, oval-shaped, very thick white beans of the Potato Lima type. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 5 lbs., \$1.75, postpaid.

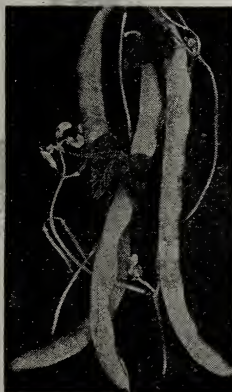
**52 New Wonder Bush Lima**—A very fine mid-season variety and a heavy producer, unusually dwarf. Can be planted closely. Beans are very broad and are as large as many of the Pole varieties. The advantage of this variety being that it can be grown even in the smallest gardens where the Pole varieties would take up too much space. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 35c; 5 lbs., \$1.50, postpaid.



**Disco Stringless  
Greenpod (31)**



**Davis White Kidney  
Wax (23)**

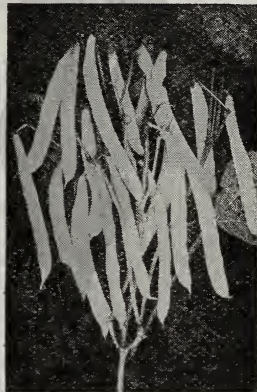


**Kentucky Wonder  
(42)**

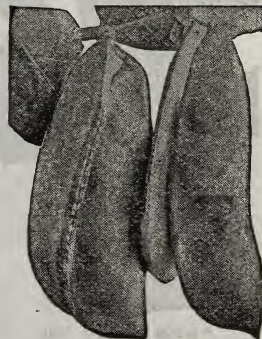


**Emperor Scarlet  
Runner (40)**

**StimUplant**  
Makes a  
Wonder Garden



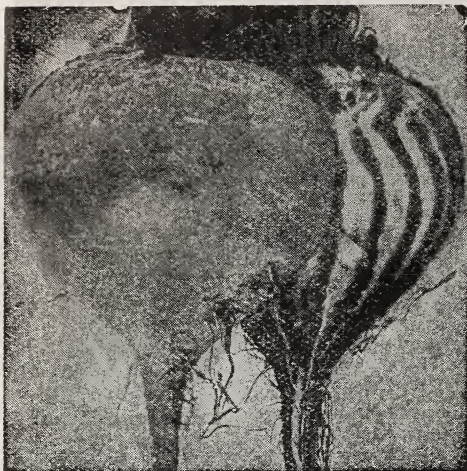
**Bountiful (32)**



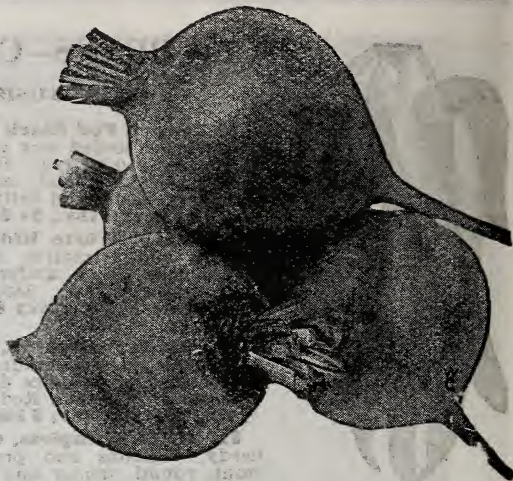
**Fordhook Bush Lima  
(51)**

**IT PAYS TO BUY  
YOUR SEED FROM  
A DEPENDABLE  
SEED HOUSE**





Extra Early Flat Egyptian Beets (72)



Detroit Dark Red Beets (71)

## BEET (Table)

No garden should be without a generous sowing of this excellent blood-enriching vegetable, which is so easily grown.

**70 Crosby's Egyptian**—Our strain of this popular beet is an exceptionally good one; if thinned out at the proper time, will produce nice sized shapely roots very rapidly. A flattened globe shape; skin very dark red; flesh a trifle lighter and lightly zoned; produces very small tops. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.**

**71 Detroit Dark Red**—One of the very best sorts for home or market garden and for canning or pickling. Roots uniformly smooth, medium size and beautifully globe-shaped; skin blood red, flesh dark red, zoned with a lighter shade; quality tender and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c, postpaid.**

**72 Extra Early Flat Egyptian**—One of the earliest varieties. Tops are unusually small; roots being distinctly flat, rather than globe-shaped; color a dark red; flesh a dark purplish-red, zoned to a lighter shade. Splendid for first crop for either market or home use. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00, postpaid.**

**80 Swiss Chard, Lucullus**—The cut and come again Spinach. If its merits, usefulness and easy cultivation were even half appreciated, it would find a place in every garden. Produces abundance of greens which can be used all summer. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.**

## Broccoli

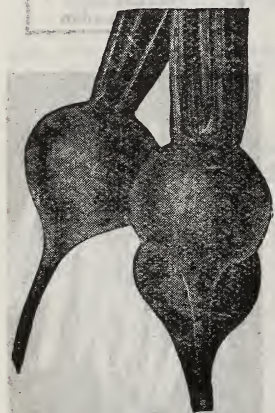
A vegetable very similar to Cauliflower, but hardier, and, owing to the peculiar growth of the inner leaves, will keep fit for use longer and can be grown later in the season.

**90 Walcheren**—The earliest variety, the link between Broccoli and Cauliflower, and the best for use in the Northwestern States. For Borecole see under Kale. **Pkt., 5c; oz., 30c; ¼ lb., \$1.10, postpaid.**

## Brussels Sprouts

Miniature Cabbages produced on a plant stalk, used like cabbage. The delicate flavor is improved by a slight touch of frost.

**100 Standard**—A magnificent variety with large solid sprouts produced from top to bottom. **Pkt., 5c; oz., 20c; ¼ lb., 55c, postpaid.**



Crosby's Egyptian (70)



Swiss Chard (80)



Broccoli Walcheren (90)

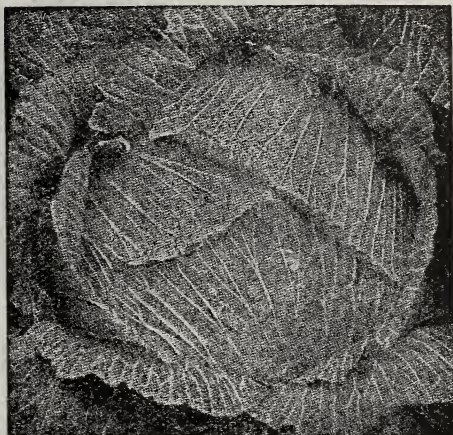


Brussels Sprouts Standard (100)





Disco Alpha (110)



Premium Flat Dutch (115)

## CABBAGE

The selection of varieties we offer will enable you to have a supply all the year round.

**110 Disco Alpha**—The earliest variety. Should be sown for first crop. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.00, postpaid.

**111 Early Jersey Wakefield**—Early pale glaucous green, with blunt conical heads of good size. The most widely known and popular variety. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.25, postpaid.

**112 Early Winningsstadt**—Early main crop, firm, compact, short conical head, rather leafy, leaves undulated at the edge. One of the best for either early or late use. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00, postpaid.

**113 Copenhagen Market**—Short-stemmed, growth compact, outer leaves small, tightly folded over a solid, flattish ball-shaped head with fine veins and small core, averaging about ten pounds in weight. Can be planted closely together and will yield a greater crop per acre than any other cabbage. Our stock is true to type and matures with great uniformity. Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid.

**114 Glory of Enkhulzen**—Short-stemmed, medium early, with large, round, very hardy head and few outer leaves, which permits close planting. A good keeper and splendid for winter use. Should be grown as a succession crop to

Copenhagen Market. Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid.

**115 Premium Flat Dutch**—Large heads flattened on the top, very full and firm, long stem. Will stand more frost than most varieties, and may be left later in the ground. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$2.00, postpaid.

**116 Danish Ball Head**—A very distinct short-stemmed cabbage, with round, very hard and solid heads, a late variety, popularly grown for keeping through the winter. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.25, postpaid.

**117 Danish Round Head**—Similar to Ball Head, slightly larger, longer stem and about two weeks earlier. Very hard and heavy. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.25, postpaid.

**130 Red Dutch Dwarf**—Earliest of the Red varieties, and the best for pickling. Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid.

**140 Savoy Dwarf Green Curled**—Sometimes called "Honey Comb Cabbage." Hearts quite green and very solid; will stand twenty degrees of frost, and remains a long time on the ground fit for use. Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., \$3.00, postpaid.

**150 Chinese (Pe Tsal)**—Celery cabbage, resembles Cos Lettuce, but has a decided cabbage flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00, postpaid.

## Stim-U-Plant

### Wonderful Fertilizer

This remarkable plant food and fertilizer is popular everywhere and we recommend it highly. In tablet form, odorless, highly concentrated, immediately effective and economical. Simply insert tablets in soil near plants, or dissolve in water, four tablets to the gallon, and apply as liquid manure. It increases production, heightens color and improves quality of every vegetable, flower, plant, shrub and tree. Complete directions with each package. You will be delighted with Stim-U-Plant. Postpaid: Prices, trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000, \$3.50.



(113)



Savoy Dwarf Green Curled (140)





**St. Valery Long Red (164)**



**Danver's Half Long (161)**



**Chantenay (160)**



**Oxheart (163)**

## CARROT

Our Carrots will please you; they are well grown, saved from the finest selected roots. The illustrations will also indicate that our selection is quite comprehensive, suited to every soil and condition.

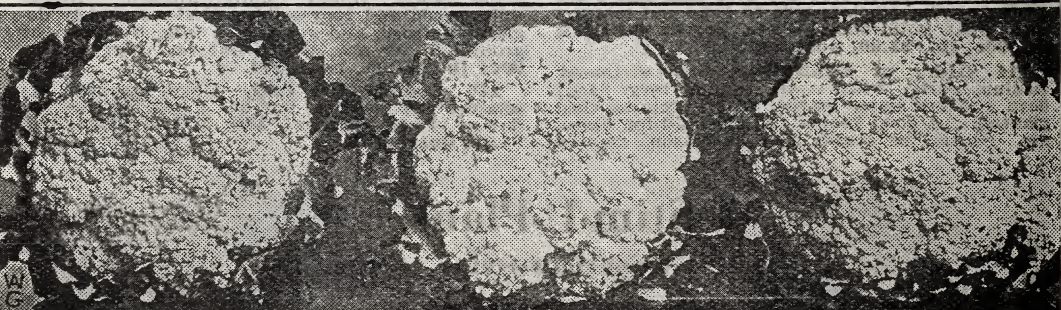
**161 Danvers Half Long**—Pale color, half-long semi-stump rooted. Short top. Very sweet and tender, quality flesh. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

**164 St. Valery Long Red**—Roots ten to twelve inches long, smooth, bright red, broad at the neck and tapering to a point; flesh thick, sweet and tender, suitable for field culture, does best in light deep rich soil. Good winter keeper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

**160 Chantenay**—Excellent medium early, half-long stump-rooted variety, about six to eight inches long, very thick, smooth and of a deep orange-red color. This variety and Oxheart are really the most popular sorts. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.**

**163 Oxheart**—Very short and thick, four and one-half to five inches long, easily harvested; color light bright orange; flesh very delicate and sweet; early. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

**162 Early Scarlet Horn**—Roots three inches long; color orange red, inclined to be blunt rooted, splendid for first early, or market use. Forces well in frames. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.**



**All Season's Extra Improved Cauliflower (170)**

## CAULIFLOWER

Some people are afraid to try growing these, owing to reputed difficulty. Try the three sorts we offer, according to our instructions, and we guarantee success.

**170 All Seasons, Extra Improved**—We gave the name "All Seasons" to this variety as it very aptly describes its characteristic. By sowing at intervals, splendid heads of Cauliflower may be available throughout the whole season. The quality is excellent and we cannot too strongly recommend it. **Pkt., 20c; ¼ oz., 75c; oz., \$2.00; ¼ lb., \$6.00, postpaid.**

**171 Early Snowball, Extra Selected**—One of the best for the Northwest; early and superb quality. Our strain has been carefully selected and we know it will please you. **Pkt., 10c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$4.50, postpaid.**

**172 Velitch's Autumn Giant**—A large, vigorous, growing late variety. Heads large, firm, beautifully white and well protected by the large leaves. **Pkt., 10c; ¼ oz., 25c; oz., 75c; ¼ lb., \$2.00, postpaid.**



WHITE  
PLUME  
CELERY

## CELERY

Should be in every garden. Eat lots of Celery, either cooked or raw, and you won't be troubled with rheumatism.

**180 Glant Pascal**—Vigorous growing, compact, productive variety. Stalks short, broad, very thick, crisp and tender, blanching readily to a yellowish-white color. A very good keeper and one of the best for winter use. **Pkt., 5c; ½ oz., 15c; oz. 25c; ¼ lb., 80c; lb., \$2.50, postpaid.**

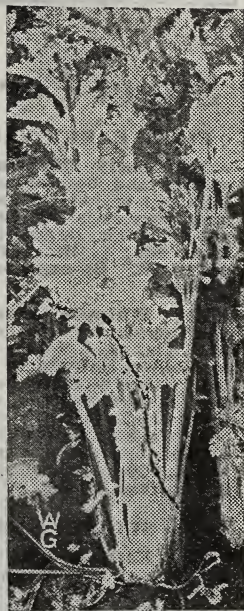
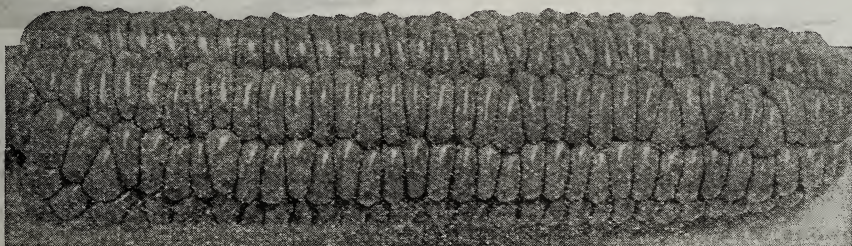
**181 Golden Self-Blanching (Genuine French Seed)**—A French variety introduced in 1883. Undoubtedly the finest early celery. Perfectly solid, of a fine nutty flavor, attains a good size, and when blanched is of a handsome golden yellow color. **Pkt., 15c; ½ oz., 30c; oz., 50c, postpaid.**

**182 White Plume Improved**—Distinguished by the silver white color of its inner leaves. A very early handsome variety, easily blanched, a beautiful white color. The most popular sort in the Northwest. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., \$2.00, postpaid.**

**190 Celeriac or Turnip Rooted Celery**—Develops, instead of the usual stalks, a broad, coarse root, which is much esteemed as a vegetable for flavoring soups. Very hardy and will keep all winter if properly stored. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.**



Glant Pascal (180)

Golden Self-Blanching  
(181)

Golden Bantam (221)

## SWEET CORN

Sweet Corn ought to be more extensively grown than it is, occupying as it does such an important place among vegetables, being wholesome, nutritious, and healthful.

### FIRST EARLY VARIETIES

**221 Golden Bantam**—Early; golden yellow in color, of highest quality. Ears six to seven inches long. Our stock has been most carefully

selected. See illustration. **Pkt., 10c; ¼ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 17c per lb.**

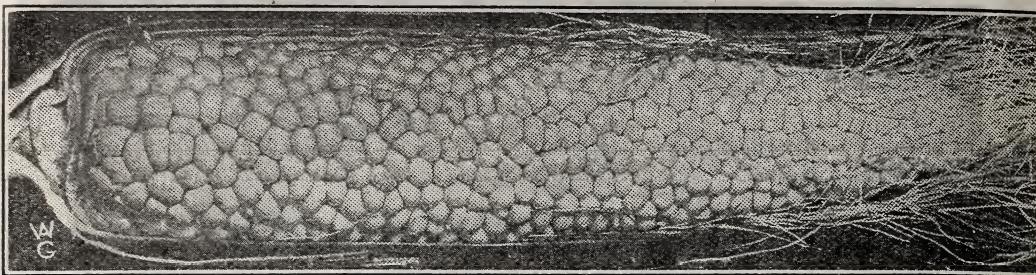
**222 First and Best**—One of the earliest maturing varieties; beautiful white color. For such an early variety, produces a wonderfully large ear. Beautiful quality. **Pkt., 10c; ¼ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid. By express, 10 lbs. or more, at 18c per lb.**

**StimUplant**

 Makes a  
Wonder Garden

Sweet Corn Continued on Next Page





Country Gentleman (228)

## Sweet Corn (Continued)

### FIRST EARLY VARIETIES—(Continued)

**223 Early Mammoth White Cory**—The earliest and best of all extra early sweet corn. Ears ten to twelve-rowed; seven to eight inches long; very sweet, tender and white. If you have not tried this, do so, it will certainly please you. **Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid.** By express, 10 lbs. or more, at 15c per lb.

**224 Whipple's Early**—This variety selected and introduced by the celebrated Corn Raiser, Mr. Whipple. Yellow variety, somewhat similar to Golden Bantam or Buttercup, but is earlier than either of these varieties; is equal in quality and the ears are much larger than Golden Bantam. From trials we have seen of these varieties, we believe that it is destined to become very popular, suitable both for market or home use. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.** By express, 10 lbs. or more, at 18c per lb.

### SECOND EARLY VARIETIES

**225 Early Crosby**—The standard and popular variety; twelve-rowed with ears seven inches long; the grains are short and square, beautifully white, sweet and tender. One of the most popular second early varieties. **Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid.** By express, 10 lbs. or more, at 15c per lb.



Howling Mob (226)

**226 Howling Mob**—It is said that this variety received its name because of the fact that when the original grower brought cobs into the market to sell, so popular had they become that the crowds who pressed forward to his stand to secure their supplies represented literally a howling mob.

Ears are from nine to ten inches long, sixteen-rowed, of a beautiful white color and of excellent quality; a good sort for general use, both for the home garden and also for the market grower. **Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid.** By express, 10 lbs. or more, at 15c per lb.

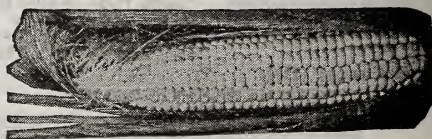
**231 Bantam Evergreen**—A cross between Golden Bantam and Stowell's Evergreen. The ears grow about eight inches long, twelve to fourteen-rowed, matures with Howling Mob; the kernels are broad and deep, of a rich golden yellow color. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.35, postpaid.** By express, 10 lbs. or more, at 20c per lb.

### MAIN CROP VARIETIES

**227 Black Mexican**—This famous old variety which will be remembered because of its unusual sweetness and delicate flavor has been much improved by selection, and the stock we now offer is sufficiently early and hardy to be grown with perfect success anywhere in the United States.

This corn when ready for the table is a beautiful clear white, but when the grain is ripe it is a peculiar black or bluish-black. We recommend this as the most desirable Main Crop Variety. **Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.10, postpaid.** By express, 10 lbs. or more, at 16c per lb.

**228 Country Gentleman**—In this standard variety the acme of perfection and quality is obtained. The ears are from 8 to 9 inches long; the cob is small, white in color and densely covered with long, white, slender grains. The formation is peculiar inasmuch as the grains are not formed on the cob in regular row formation, but are closely packed together without any apparent order. A heavy cropper and, owing to its unusual heavy husk, it is protected in such a manner that it retains its tenderness and keeps in the "milk stage" for an unusually long time. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.** By express, 10 lbs. or more, at 16c per lb.



Stowell's Evergreen (229)

**229 Stowell's Evergreen**—The best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18-rowed, with a very deep sweet grain. Our strain is unusually good. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.** By express, 10 lbs. or more, at 15c per lb.

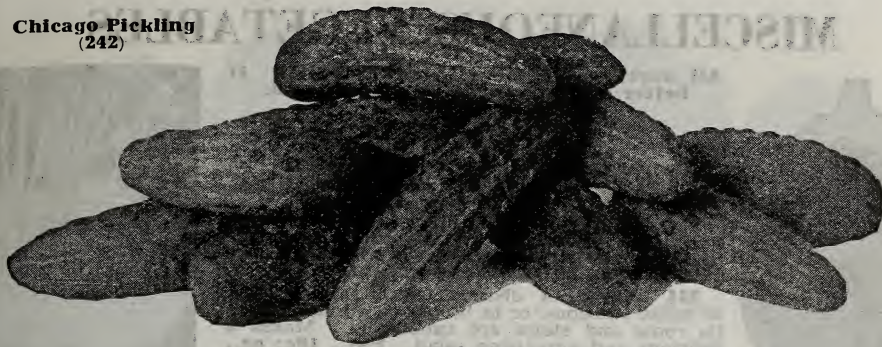
**230 White Rice Pop Corn**—Earliest of the popping varieties and the only one that can be successfully grown in the middle and northwest. For corn for popping, see page 58. **Pkt., 10c; ½ lb., 12c; lb., 20c; 5 lbs., 80c, postpaid.** By express, 10 lbs. or more, at 10c per lb.

**233 Japanese Hullless Popcorn**—If you have not tried this wonderful new popcorn you certainly ought to. Our seed was grown in South Dakota. It can be depended upon therefore to mature. Splendid flavor and a great cropper. **Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.25, postpaid.**



Bantam Evergreen (231)



Chicago Pickling  
(242)

## CUCUMBER

The Cucumber is a very useful vegetable and its culture is of the simplest nature. We have prepared a little pamphlet on the growing of Cucumbers, which we will gladly supply free of charge with orders. A study of the list of varieties we offer will readily indicate that it is most comprehensive and includes the very best varieties. Our stocks have been grown by the most careful growers; they are true to type and will satisfy the most exacting. There are very few places either in the United States or Canada where Cucumbers cannot be grown, and their usefulness both for pickling and slicing really bespeaks for them a place in every garden. Don't forget to include a generous supply of "Cuc" seed in your order and plan to have a good patch this summer.

Fresh cucumbers gathered from your own patch are just as different as chalk is to cheese from those half-wilted fruits which you buy in the store. **Moral**—Grow your own.

**239 Earliest of All**—Earliest White Spine Variety in cultivation. One week earlier than Early Fortune; should be used for first crop. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.25, postpaid.

**240 Extra Early Russian**—The earliest cucumber, hardy and productive; fruit very small. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$1.45, postpaid.

**241 Early Fortune**—The finest type White Spine yet produced. Early, very productive and disease resistant; fruits 9 inches long; slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich dark green. Splendid shipping variety. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.25, postpaid.

**242 Chicago Pickling**—The most popular and excellent pickling sort; very uniform, productive and of good color; hardy and early. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.25, postpaid.

**243 Cool and Crisp**—A White Spine type; early; pointed at both ends; good quality for slicing, but no use for pickling. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**244 Extra Long White Spine**—The largest of the White Spine family; fruit long, thick and tapering to both ends, crisp and solid, a fine slicing sort; color light green. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.25, postpaid.

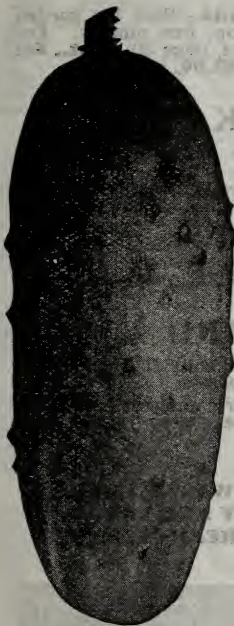
**245 Japanese Climbing**—A distinct climbing sort for covering fences or trellises; fruit 10 inches long, thick, crisp and fine quality; color dark green. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.25, postpaid.

**246 Early Frame or Short Green**—Medium sized, vigorous growing and productive variety. Good for both pickling and slicing. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$1.40, postpaid.

**247 Cucumber Long Green Improved**—Well known table variety; grows 12 to 14 inches long, tapering towards the stem end; color dark green; flesh white and firm. Our stock is very superior. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$1.35, postpaid.

**248 Davis Perfect**—An extra long, dark green type of White Spine; retains its color and good qualities long after being picked; the flesh

is crisp and solid. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35, postpaid.



Earliest of All (139)

IT IS BEST  
TO ORDER  
EARLY

Long Green Improved  
(247)



# MISCELLANEOUS VEGETABLES

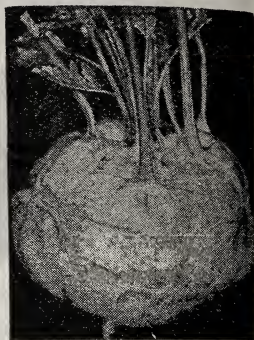
All worthy of a place in your garden. If better known, would be more grown.

## CRESS

(Pepper or Tongue Grass)—Sown with White Mustard makes an excellent Salad, most refreshing; used in bread sandwiches.

**210 Extra Curled**—A distinct, compact growing variety, leaves deeply cut and curled at the edges. Charming pungent flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c, postpaid.**

**211 Water**—A distinct Cress, thriving best in moist positions, or in brooks or ditches, where its roots and stems are submerged. Makes a delicious and appetizing salad. **Pkt., 10c; oz., 45c; ¼ lb., \$1.50, postpaid.**



**Kohl-Rabi (270)**

**New York Improved Eggplant (251)**

Not so easily grown as Cucumbers, Tomatoes, etc.; requires more care, but well worth the trouble.

## EGGPLANT

**250 Early Long Purple**—One of the earliest, most hardy and productive sorts; fruits 6 to 8 inches long; rich purple and fine quality. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00, postpaid.**

**251 New York Improved Purple**—Has long been a favorite with market growers. The plant grows to a large size; of a spreading nature and absolutely spineless. Each plant will usually produce 4 to 6 large oval fruits of dark purple color, the quality being second to none. For main crop, we heartily recommend this excellent variety. **Pkt., 5c; oz., 40c; ¼ lb., \$1.50; lb., \$5.00, postpaid.**

## ENDIVE

Excellent for salad; easily grown and remains fit for use late in the fall.

**255 Green Curled**—One of the best varieties for general use; the heads grow very close, leaves forming a dense mass and being finely curled. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.**

**Garlic**—See page 35.

## KALE OR BORECOLE

Excellent for late greens; is also much relished by poultry; improved by a touch of frost.

**260 Dwarf Green Curled Scotch**—Grows 1 to 1 ½ feet high, spreading growth, leaves intensely curled. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.**

## StimUplant

Makes a Wonder Garden



**Leek, American Flag (290)**



**White Mustard (350)**

## KOHL-RABI TURNIP ROOTED CABBAGE

Bulbs grow above ground; are stripped and cooked like turnips, but are much sweeter and finer flavor.

**270 Early White Vienna**—Best for garden cultivation, early, dwarf top, fine quality. For field variety, see Field Roots, page 20. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.00, postpaid.**

## LEEK

Splendid for soups, the mainstay of Scotch broth.

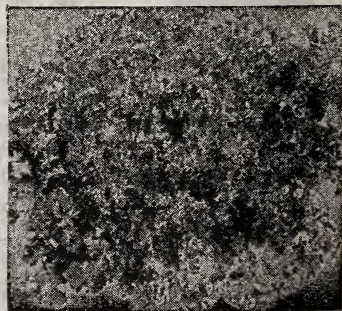
**290 Large American Flag**—The most popular variety with gardeners everywhere; of strong growing habit, very broad leaved. If earthed up, blanches beautifully, forming excellent long white plants which are a delight to the cook. **Pkt., 5c; oz., 25c; ¼ lb., 85c; lb., \$2.75, postpaid.**

## MUSTARD

A most delicious and pungent Salad; best used in conjunction with Curled Cress.

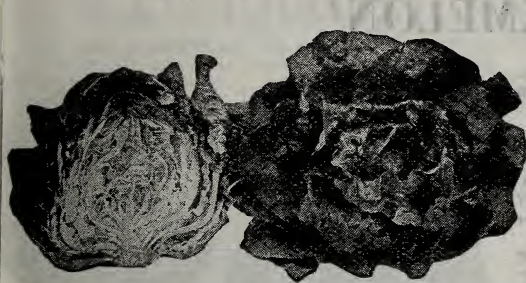
**350 Finest White**—Very pungent and appetizing Salad. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 75c, postpaid.**

**WHY WASTE YOUR MONEY AND LABOR ON CHEAP SEEDS?**

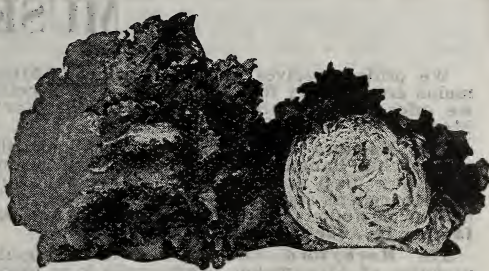


**Endive, Green Curled (255)**





Prize Head (309)



May King (304)

## LETTUCE

In hot weather Lettuce is always welcome on the table and nothing beats a few heads fresh pulled from your own garden.

**301 Big Boston**—Very popular for outside culture as well as cold frame forcing. Head large and compact; leaves broad, almost smooth; color light green, slightly tinged with reddish-brown; heart greenish-white, tinged yellow; of good quality. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 95c, postpaid.

**302 California Cream Butter**—Plant compact, heads large, globular and very firm; leaves broad, crumpled and very thick; color dark, glossy green, freely spotted deep brown; the heads blanch a beautiful creamy yellow; quality the best. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 95c, postpaid.

**303 Grand Rapids**—The favorite loose-leaved forcing Lettuce; does well in the Northwest for early planting outdoors. Leaves short, spatulate in shape, excessively crumpled, and the border heavily fringed; color very light green, with no trace of brown. A most handsome and attractive lettuce. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.

**304 May King**—A handsome, extremely early, compact heading variety; leaves light yellowish green, tinged reddish-brown, while the heart blanches a rich golden yellow. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.

**305 Tennis Ball**—A very reliable, adaptable, sure-heading sort; heads globular, firm and well blanched; leaves broad and much crumpled; color light green and never spotted brown; finest quality; very suitable for late sowing. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.

**306 Way-a-Head**—A very early, handsome, sure heading variety; the outer leaves are light green and crumpled; the inner head blanches a rich buttery-yellow; of superior quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.20, postpaid.

**308 Black-Seeded Simpson**—One of the best and most popular large, early, loose-heading varieties, succeeding everywhere, and always reliable. Leaves very broad and crumpled. Color, light yellowish-green. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.



Grand Rapids (303)

**309 Prizehead**—A crisp and tender loose-leaved, non-heading variety, deservedly popular. Color, medium green, shading to brown. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.

**307 White Paris Cos**—Smooth, long, narrow, upright leaves and blanches nicely when tied up; color dark green; quality fine; self-folding. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.10, postpaid.

### StimUplant

Makes a  
Wonder Garden

## MUSHROOM SPAWN

Mushrooms are not so difficult to grow as many people imagine, and as they represent such a real table delicacy, we anticipate their being grown much more extensively. A simple plan is to break up a brick in pieces the size of a pigeon's egg and put under the sod here and there in the pasture. You will be surprised at the results. Cultural instructions supplied with every order.

**355 Lambert's Pure Culture**—Recent trials have shown this spawn to give much better results than the English stock, no doubt owing to its being fresher and the spawn more vigorous. 40c a brick, postpaid. By express: brick, 30c; 5 bricks, \$1.35; 10 bricks, \$2.50; 25 bricks, \$4.75.



Mushroom Spawn (355)



White Paris Cos (307)



# MUSKMELON

We pride ourselves that our strains of Muskmelon are the very finest possible. The selection we offer contains the very best of the Early, Medium and Main Crop Varieties.

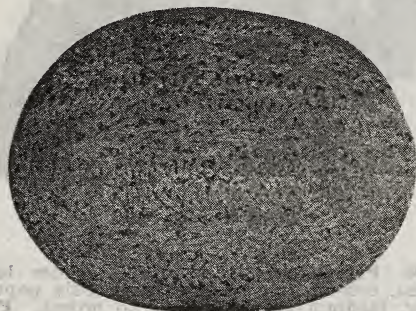
**325 Banana**—When growing, just looks like a great big Banana, grows about 2½ feet long, flesh of a deep salmon color, quality very fine. Some excellent specimens were brought in to us by our customers last summer. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40, postpaid.**

**326 Rockyford**—One of the most popular varieties of Muskmelon. Our strain is an exceptionally good one. The fruit is small, almost round, perfectly smooth, showing no ribs, flesh thick and deep green, showing a faint lining of pink and gold at the center. The quality is of the best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.**

**327 Pollock's No. 25**—Very similar to Rockyford, except that the flesh is salmon colored. For those who prefer this to the green flesh, we recommend this variety. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.**

**322 Jenny Lind**—An old favorite, unusually early, small, green fleshed; the fruit is round, flattened at ends, ribbed and netted. For an early variety the flesh is very attractive in flavor and quality. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.20, postpaid.**

**328 Extra Early Osage**—A distinct improvement on the old type of Osage, being also a week to ten days earlier. Fruit dark green; flesh, rich orange salmon. One of the best for general use. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.**



**Extra Early Knight (320)**



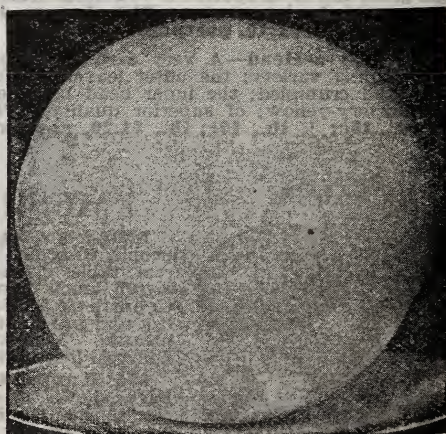
**Pollock's No. 25 (327)**

**Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.20, postpaid.**

**321 Honey Dew**—Rapidly gaining in popularity and bids fair to become one of the most generally grown sorts. The fruits are large, oval shape, generally about 10 inches long and 8 inches in diameter; surface is smooth and hard without ribbing or netting; creamy white in color; the flesh being a light emerald green, very thick and ripening right to the rind. The quality of this melon leaves nothing to be desired. It keeps well and is an excellent shipping sort. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.00, postpaid.**

**323 Montreal Green Nutmeg**—Is possibly famed more than anything else for the unusual size to which it can be grown; fruits weighing 18 to 20 pounds being quite common. Fruits are round, flattened at both ends; medium green color, ribbed and netted; the flesh is remarkably thick and of superior quality. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50, postpaid.**

**324 Petoskey or Paul Rose**—Oblong in shape; color deep green, slightly ribbed, netted thick flesh; of a deep salmon color, excellent quality; grows to a popular size for market use and an excellent shipper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**



**Honey Dew (321)**

Mitchell has become quite famous as a shipping center for Melons. Fruits of the finest quality are shipped out in carload lots, and the industry promises to become very lucrative for the farmers of the district. Our sales of both Muskmelon and Watermelon Seed were phenomenal and all who used them were satisfied.

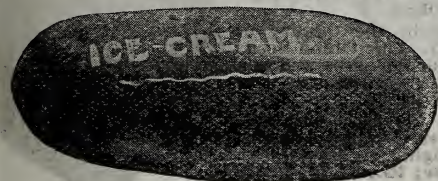
**319 Emerald Gem**—A choice variety, the fruits being deep emerald green in color; globular or slightly flattened shape; distinctly ribbed and lightly netted; the flesh being unusually thick, sweet and of a deep, rich salmon color; the seed cavity being very small. An excellent variety for home use and for the local market, but we do not recommend as a shipping variety. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25, postpaid.**

**320 Extra Early Knight**—An extremely early medium-sized melon; the fruits being oblong, distinctly ribbed and closely netted; the flesh being fairly thick and very sweet; the color medium green blending to light pink. One of the best melons for the Northwest, and an excellent shipper.



## WATERMELON

As with Muskmelon, we exercise the greatest care to insure that our stocks will be of the very finest possible quality.

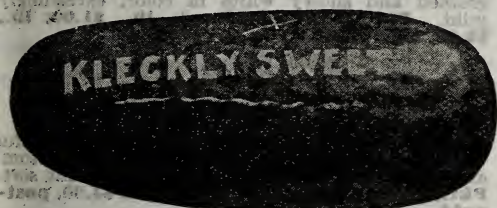


(333)

**330 Citron, Colorado Preserving**—A decided improvement on the old Preserving Citron; seeds are green; the shape of the fruit is roundish oblong; very early; hardy and productive. Pkt., 5c., oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c, postpaid.

**331 Citron, Red Seeded**—In many respects this is similar in quality and productiveness to the Green-Seeded Variety. We find, however, that some growers prefer the one, while others show a preference for the other. Our experience is that there seems to be very little difference excepting in the color of the seed. For the purpose of suiting all tastes, however, we carry both types. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c, postpaid.

**332 Cole's Early**—One of the earliest very hardy of medium size, nearly round, rind dark green, striped a lighter shade; flesh deep pink and excellent in quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c, postpaid.

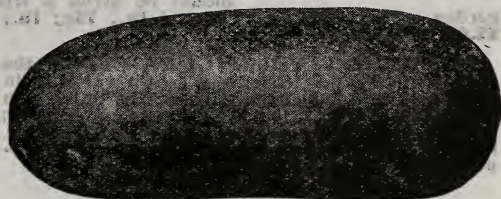


(336)

**333 Peerless or Ice Cream**—Very early, of medium size, and one of the best for the Northwest, short, oblong in form; rind thin light green; mottled and finely veined with a darker shade; flesh bright scarlet and very sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c, postpaid.

**337 Long Light Icing**—A large type of the long melons. Rind light green; seeds white. Flesh of excellent quality. Early and productive; will produce melons 25 pounds weight and over. An ideal variety for the home market, but not recommended for shipping. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c, postpaid.

**334 Round Light Icing**—While not as early as Cole's Early, is sufficiently early to insure its ripening in any state in the Northwest or even in Canada. It grows to a fair size, is nearly round; the flesh is a beautiful bright red, while the rind is a very light green; the quality is excellent. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.



Tom Watson (335)

**335 Tom Watson**—In our opinion the best shipping melon on the market, and second to none as a Main Crop Variety; produces large size fruits; color a medium green; flesh a rich red and of excellent quality. We recommend our strain as being second to none, and suggest that this be used as the Main Crop sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c, postpaid.

**336 Kleckley's Sweet**—This melon did very well with many of our customers last season; it grows to a fairly large size, is medium early and exceedingly sweet, oblong in shape, rind very dark green, flesh bright rich red, white seeded. Not recommended for shipping but excellent for home use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c, postpaid.

## Disco Northern Grown Seed Potatoes

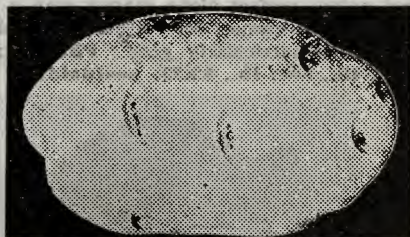
Write for our special quotations on potatoes, car lots or less.

The potato crop should occupy a more prominent place than it does. With the advent of improved machinery, for planting, digging and loading into wagons, the labor difficulty has been materially reduced. To obtain best results, it is necessary to change seed frequently and get selected northern grown stock which has been specially grown for seed purposes. The varieties we offer have been carefully tested, are heavy croppers and good quality.

**770 Irish Cobbler**—Said to have been raised by an Irish shoemaker and he sure knew a good potato. One of the most universally grown potatoes, popular from Coast to Coast. Strong grower, deep eyes, hardy constitution, tubers roundish, flattened somewhat at ends; skin creamy white, foliage deep green, flowers purple; early, good cropper and splendid quality.

**771 Early Ohio**—One of the earliest varieties grown; tubers round, oblong; skin light pink; deeper in color at seed end, eyes numerous, but shallow. Flowers white. Quality good.

**780 Potato Eyes**—For those who desire to get a new strain of potatoes, particularly in outlying districts, where freights are high and transportation is slow, we confidently recommend



Irish Cobbler (770)

**Potato Eyes.** We guarantee their safe arrival in good condition for planting. If, for any reason they cannot be planted immediately on arrival, they should be spread out thinly and covered with soil. This will retain their vitality, and if carefully planted, they will not suffer. 100 eyes, 50 each of both varieties, \$1.25, postpaid. Either variety of eyes, 50c per 25 eyes, postpaid.



## ONION

The Onion is one of the most important crops in the Northwest, so far as vegetables are concerned; it is also one of the most healthful vegetables eaten either raw or cooked.

There is a vast difference in the quality of different stocks of Onion Seed. Our Onion Seeds are all grown from choice selected bulbs and can be depended upon to give the best results. Our seed is all new crop of strong vitality.

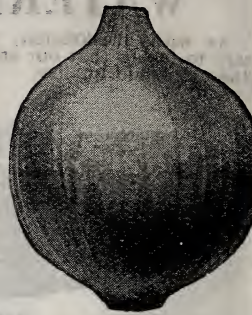
**360 Prizetaker**—One of the largest onions grown and the mildest, a sure cropper, globe shaped, color light straw, highly recommended. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25, postpaid.

**361 Australian Brown**—Noted for its keeping qualities and productiveness; the color is quite distinct; very early, semi-globe shaped; should be given a trial in every Northwestern

**Australian Brown (361)**

garden. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00, postpaid.

**362 Danver's Yellow Globe**—One of the most popular and extensively grown varieties in the Northwest and deservedly so; the outer skin is reddish brown, lemon colored underneath; medium size; very early, and a good keeper. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25, postpaid.

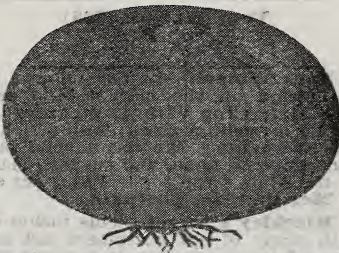


**Prizetaker (360)**

**365 Strassburg**—The most popular variety for growing Yellow Dutch Onion Sets. The sets are uniformly round, plump, and a bright yellow color. Full grown onions are bright yellow, some what flattened in shape; the flesh is white and mild. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00 postpaid.

**380 Southport Yellow Globe**—A beautiful globe shaped onion, color deep golden yellow small neck and heavy thick skin; flesh white crisp and mild in flavor; excellent shipping sort. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00, postpaid.

**381 Southport White Globe**—Globe-shaped skin of purest paper white, flesh very crisp, fine grained and snowy white in color, exceedingly mild. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00, postpaid.



**Large Red Wethersfield (363)**

## PICKLING VARIETIES

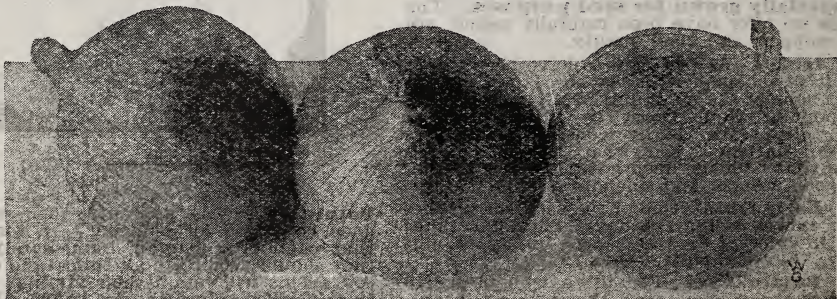
**382 White Barletta**—Bulb small, beautiful white color, flat on top and conical at the bottom extremely early and a most valuable pickling sort. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00, postpaid.

**383 Silverskin**—Is most adaptable. If sown thickly will form small white bulbs suitable for pickling, or if thinned out will produce large shaped bulbs of excellent keeping quality. Also used for the production of White Dutch Sets. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00, postpaid.

**385 White Welsh**—Does not form a bulb like other onions, but only a small enlargement at the base of each shoot. Good for bunching. Ready for use very early in the spring, comes up ever year. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00, postpaid.

**363 Large Red Wethersfield**—Probably the oldest and best known type of onion. A fine, large, handsome variety with bright red colored somewhat flattened bulbs and purplish white flesh. Very productive and a good keeper. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25, postpaid.

**364 Southport Red Globe**—The finest type of red onion; perfect globe shaped with a small neck; excellent keeper; color a deep purplish red. Our strain is particularly good. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.25, postpaid.



**Yellow Globe Danvers Onions (362)**





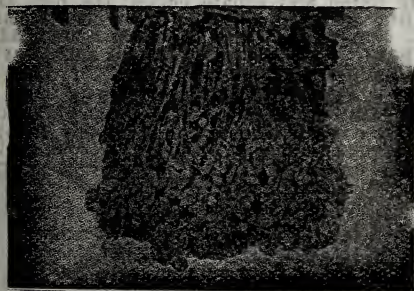
## Onion Sets

The small onion sets for the production of onions are very popular in the Northwest, as they can be used or sold earlier as a rule, which is an important feature. In buying sets, care should be exercised to see that they are in good planting condition. In the very nature of things the production of sets is an interference with nature and the natural growth of the onion, and in consequence they require special care and attention to ensure that they will be kept in good condition, ready to grow and mature quickly when planted. Sets sold throughout the country in very many instances are given no attention whatever, and in consequence cannot be expected to produce the maximum crop.

(Postpaid)  
1-lb. 2-lb. 4-lb.

390 Yellow Dutch Onion Sets.....	25c	45c	85c
391 White Dutch Onion Sets.....	30c	55c	\$1.00
392 Red Dutch Onion Sets.....	25c	45c	.85
393 Yellow Multiplier Onion Sets.....	35c	65c	1.20
394 Garlic Sets.....	45c	80c	1.50

Write for prices on larger quantities.



Early Sweet Peanuts (460),

## Parsnip

A valuable and nutritious vegetable for table use; also excellent for stock feeding.

**410 Hollow Crown**—Long, smooth root, of good quality; heavy cropper. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

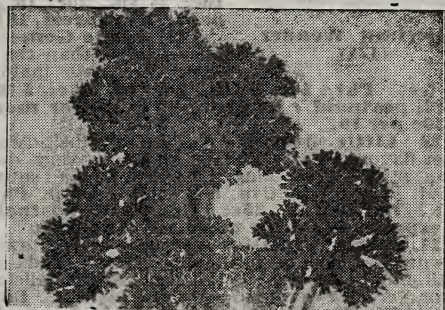
**411 Large Guernsey**—Shorter and thicker in the root than "Hollow Crown," an excellent market gardener's variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

## Parsley

Very useful for flavoring soups and for garnishing.

**400 Champion Moss Curled**—A compact-growing, densely curled variety of a dark green color, very popular for garnishing. Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.

**401 Hamburg or Turnip Rooted**—The edible roots resemble a small, thick parsnip, both in shape and color; much used for flavoring soups and stews. Pkt., 5c; oz., 35c; ¼ lb., \$1.00, postpaid.



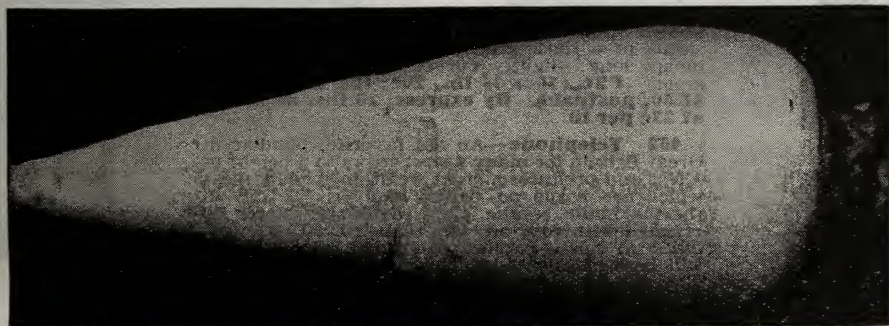
Champion Moss Curled Parsley (400)

## Peanuts

Contrary to the opinion expressed by many, peanuts can be successfully grown in the Northern States. The main thing is to sow seed of a hardy type which has been northern grown, and consequently acclimatized.

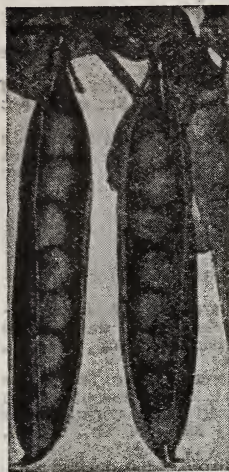
**460 Early Sweet**—Without exception the best variety to sow in the Northern States; it stands both heat and drought admirably and is the earliest variety to ripen. The nuts are deliciously sweet. Can be grown in any light, sandy soil where potatoes succeed well. Pkt., 10c; lb., 30c; 5 lbs., \$1.20, postpaid.

Instead of giving cultural directions in this Catalog, we have printed a special leaflet containing much useful information, which accompanies every order for seeds. In addition, we gladly mail any of the Free Booklets to customers.



Hollow Crown Parsnip (410)





**American Wonder  
(421)**

1 1/4 feet. Pkt., 10c; 1/2 lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb.

**423 Little Marvel**—An extra fine dwarf, sweet-flavored Pea. Foliage and pods very dark green; pods 3 inches long, nearly round, and square ended; very productive; height 14 inches. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 21c per lb.

**424 Notts Excelsior**—A very early dwarf growing variety of branching habit. Pods are small, blunt ended, while the peas are of a delicious flavor. A heavy cropper. Height 1 1/2 feet. Pkt., 10c; 1/2 lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb.

**426 Richard Seddon**—A dwarf growing, productive variety, of excellent quality. Height 15 inches. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 22c per lb.

**456 Sugar Dwarf White Edible Podded**—Differs from other peas in that the pods can be used similar to string beans, 2 feet high, pods light green, 2 3/4 inches long, pointed and narrow, very early. Pkt., 10c; 1/2 lb., 25c; lb., 40c;



**Improved Stratasem  
(451)**

## Peas

Peas are an ever increasing and more important crop. Our stocks have been selected with the greatest care. The varieties are such as will succeed well, and the quality is of the very best. By a judicious use of **Early, Second Early and Main Crop Varieties**, a succession throughout the whole season can be maintained.

### EARLY VARIETIES.

**420 Gradus Improved**—Quite as early as the old type of Gradus or Prosperity, but a much heavier and more certain cropper. Growers who have grown the old type will remember its unfortunate habit of throwing small pods. This has been entirely eliminated from the new type. Height 3 feet. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 20c per lb.

**421 American Wonder**—Probably the most popular early Pea on this continent. The foliage is a dark color while the pods, which are borne in great profusion, are lighter in color, small size, square ended; heavy cropper; height 1 foot. Pkt., 10c; 1/2 lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb.

**422 Little Gem**—Just a trifle later and a few inches taller than the foregoing. If sown at the same time, will maintain a succession. Height,

5 lbs., \$1.75, postpaid. By express, 10 lbs. or more, at 23c per lb.

### SECOND EARLY VARIETIES.

**440 Dalsy**—May be best described as an early Stratasem; fairly productive and of excellent quality. Height 2 feet. Pkt., 10c; 1/2 lb., 20c; lb., 32c; 5 lbs., \$1.40, postpaid. By express, 10 lbs. or more, at 20c per lb.

**442 Thomas Laxton**—An excellent Second Early, coming into use almost immediately after "Gradus" and much more productive than the excellent variety. Height 2 1/2 feet. Haulm moderately stout; medium green in color; pods usually between 3 and 4 inches long; straight, nearly round and square ended; the peas are beautiful dark green color, of excellent quality. Pkt., 10c; 1/2 lb., 20c; lb., 36c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 24c per lb.

### MAIN CROP VARIETIES.

**449 Duke of Albany**—The earliest Main Crop Variety, coming into use immediately following the last of the Second Earlies; vigorous growing

and unusually productive; pods beautiful dark green, nearly 5 inches long, broad and pointed; excellent for exhibition and a splendid market sort. Pkt., 10c; 1/2 lb., 20c; lb., 34c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 22c per lb.

**450 Rentpayer**—Undoubtedly one of the finest peas; quality is beyond compare, and an excellent cropper; height 2 1/2 feet. Pkt., 10c; 1/2 lb., 20c; lb., 36c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 24c per lb.

**451 Improved Stratasem**—One of the best known Main Crops, and the most popular. Vines stout, of a dark green color; pods usually 4 1/2 inches long; slightly curved; pointed and dark green. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 23c per lb.

**452 Telephone**—An old favorite, popular in Great Britain for many years; grows to a height of 4 feet and produces a great wealth of podded peas which are borne on strong haulms. To obtain the maximum results, they should be rodde or brushed with rods not less than from 5 to 6 feet high. If this is carefully attended to, the plants will bear excellent pods for quite a long period. The pods average 4 1/2 inches long, are straight, broad and pointed, usually containing 8 large light green peas of delicious flavor. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.50, postpaid. By express, 10 lbs. or more, at 23c per lb.



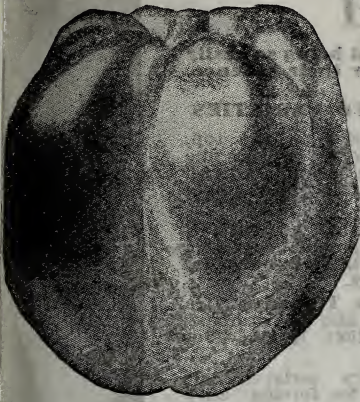
**Little Marvel (423)**

**STIMUPLANT**  
Makes a  
**WONDER GARDEN**



**Telephone (452)**





Large Bell Pepper (465)

## PEPPER

Splendid for seasoning and for making Chowchow and Chili sauce.

**465 Large Bell or Bull Nose**—This first early variety is very popular in the Northwest, being well adapted for pickling purposes; the scarlet fruits are 2 inches in diameter, 3 inches long, blunt at the end, while the flavor is mild and sweet. **Pkt., 5c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00, postpaid.**

**466 Long Red Cayenne**—A very popular variety; the fruits average 4 inches long and ¼ inch in diameter; they usually grow in a peculiar curved and twisted manner; are a bright red color. The name is rather apt as they are unusually hot and pungent. **Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50, postpaid.**

**467 Neapolitan**—Earliest and most productive large variety and one of the sweetest. Fruit bright red; 4 inches long and 2 inches thick. **Pkt., 5c; oz., 35c; ¼ lb., \$1.25; lb., \$4.50, postpaid.**

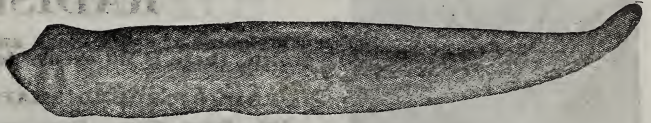
**468 Red Cherry**—Fruits small, round or cherry-shaped; rich scarlet and very hot. **Pkt., 5c; oz., 35c; ¼ lb., \$1.25; lb., \$4.50, postpaid.**

## RHUBARB

**521 Victoria**—Well known standard variety. Good for general use. **Pkt., 5c; oz., 20c; ¼ lb., 50c, postpaid.**



Early Sugar Pumpkin (480)



Long Red Cayenne Pepper (466)

## PUMPKIN

Always in demand for pies; easily grown. Our stocks of pumpkin, like everything else, are especially selected for the Northwest.

**480 Early Sugar**—Fruits small, round, flattened at the ends and slightly ribbed; skin and flesh deep orange yellow; flesh very thick and of good quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

**481 Japanese Pie**—Grows to a large size; skin deep green with dark stripes; flesh deep yellow and of high quality; the seeds are sculptured like Chinese letters. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.50, postpaid.**

**482 King of the Mammoths**—Without doubt the giant among pumpkins, specimens having been grown weighing as high as 250 pounds and measuring 2 feet or even more in diameter; the fruits are round and flattened, slightly ribbed, while the skin is a salmon-orange, the flesh being bright yellow and very thick. Useful alike for pies or stock feeding. An excellent keeper. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.50, postpaid.**

**483 Large Cheese or Kentucky Field**—Large, round, flattened fruits, much ribbed and creamy buff in color; flesh yellow and very deep; of fine quality and one of the best canning sorts. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

**484 Connecticut Field**—The most popular variety for planting in corn for stock feeding and also for making pies; fruit oblong, flattened at the ends, smooth, hard, reddish orange skin, with orange-yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.**

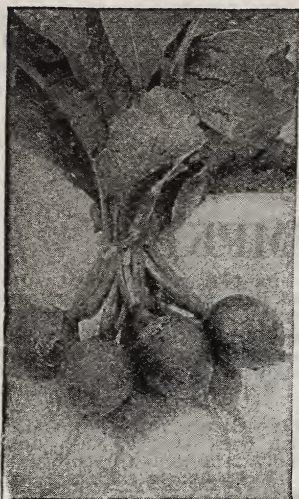


Large Cheese Pumpkin (483)

## SALSIFY OR VEGETABLE OYSTER

**525 Mammoth Sandwich Island**—Cultivated for the sake of its yellowish white roots which are stored for use as a winter vegetable. The leaves of this new variety may be used as a salad. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.**





Rosy Gem (491)

## RADISH

Welcome at every meal, and being so easily grown, there is no excuse for their absence.

### TURNIP OF ROUND SHAPED VARIETIES

**491 Rosy Gem**—Deep scarlet on the top, blending into white at the bottom. A very fine sort either for forcing or open ground culture. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**492 Scarlet Globe**—A bright red variety, with firm, crisp, tender flesh; grows to a large size without becoming pithy. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c, postpaid.

**493 Scarlet Turnip White Tipped**—Extra early forcing variety, valuable also for ordinary outdoor use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**494 Non Plus Ultra**—Very early, bright scarlet, with short top; useful for forcing; crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

**495 White Globe**—A beautiful white skinned variety; tender and crisp. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

**496 Turnip Varieties (Mixed)**—For home use, sowing in mixture is very desirable, and



White Icicle (501)

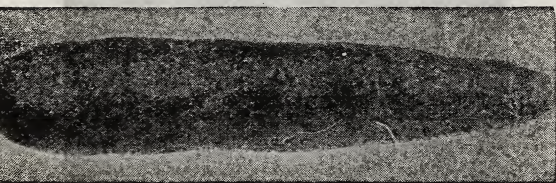
recommended, as it enables one to have a varied selection at small cost and in a small space. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c, postpaid.

### OLIVE, OR OVAL SHAPED

**497 French Breakfast**—The most popular variety; oblong in form, small and quick growing; color bright rose scarlet, with small white tip. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**498 Early Scarlet Olive Shaped**—Very early, bright scarlet; flesh white and crisp. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.

**499 Early White Olive Shaped**—Handsome, small, white, quick growing variety; mild, crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00, postpaid.



Long Brightest Scarlet (504)

### LONG SHAPED VARIETIES

**500 Chartier**—A very handsome variety; roots 7 to 8 inches long, and rather thick; deep scarlet at the top, shading off to pure white at the tip. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**501 Icicle**—The leading long white radish and one of the earliest; beautiful quality, and remains fit for use a long time. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**504 Long Brightest Scarlet**—One of the best and earliest of the long scarlet radishes, crisp and tender until full grown. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**503 Mixture (All Varieties)**—A mixture of all summer varieties for home use; the selection is A-1. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c, postpaid.

### FALL OR WINTER VARIETIES

This type of radish is not grown as extensively as it ought to be, considering its excellence. The foreign born non-English speaking settlers seem to have appreciated its usefulness. Sown in June or July, they will grow 6 inches long and 2 inches in diameter, and will keep all winter if stored in sand in a cool cellar free from frost. Try them.

**510 Black Spanish, Round**—Roots round, 2 to 4 inches in diameter; skin almost black; flesh white, crisp and pungent. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**511 Black Spanish, Long Shaped**—One of the latest and hardest varieties for winter use; roots 8 to 9 inches long, 2 to 3 inches in diameter and nearly black in color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.

**512 China Rose (Scarlet China)**—One of the best winter sorts; skin smooth, and bright deep rose color; flesh white, crisp and pungent; the roots grow 4 to 5 inches long and 2 inches thick. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c, postpaid.



Black Spanish Round Radishes (510)



## SPINACH

Very easily grown, and will give a plentiful supply of tasty, healthful greens throughout the season.

**535 Bloomsdale or Savoy**—Very early and hardy and one of the best for market and canning; plant of upright growth; Petiole (Stem) 3 inches long; leaves medium size; color glossy green. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c, postpaid.

**536 Long Standing, Round Seeded**—Slower growing than Bloomsdale, but stands much longer before running to seed; leaves very large and of good substance. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c, postpaid.

**540 New Zealand**—Entirely distinct from the true Spinach; plant tall and spreading, with numerous side shoots; leaves medium green, rather small and pointed; grows well in hot weather and

**Spinach, Long Standing (536)**

under adverse conditions. Pkt., 5c; oz., 10c;  
 $\frac{1}{4}$  lb., 30c; lb., 90c, postpaid.  
 For Spinach Beet or Swiss Chard, see page 24.

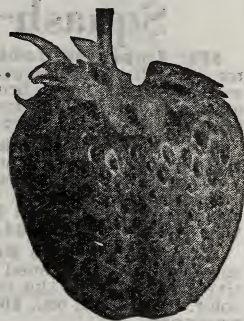
## STRAWBERRY

The raising of Strawberry Plants from seed is very simple; they are easily grown. Sow the seed thinly, in a small box or seed pan, cover very lightly and press down firmly. Water by dipping in a bucket or other vessel so as not to disturb the seed. Thin out as soon as young plants are fit to handle.

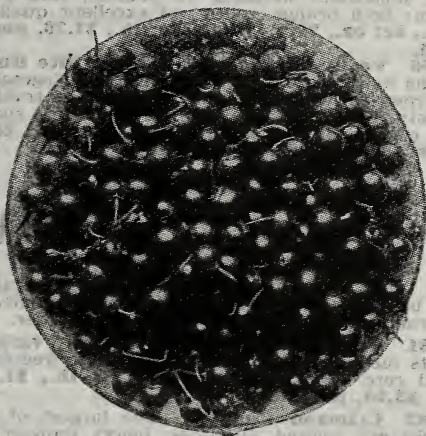
**570 Large Fruited Perpetual Saint Flacre**—Fruit oblong or heart-shaped, large size; of a good red color; flesh salmon pink; very juicy, lightly acid, of excellent flavor. Pkt., 10c, postpaid.

## SOLANBERRY

**530 Solanberry**—This, as its name signifies, belongs to the Solanum family, and is closely allied to the Tomato, being sometimes described as the Black Currant Tomato. We recommend it very highly, have been watching it for several years, and believe it to be one of the best acquisitions of its kind for the Northwest. It is perfectly hardy, will stand frost that puts Beans, Corn, Tomatoes, etc., entirely out of business. Ripe fruits can be gathered from August 15th till late in October. Easily grown, the main thing is to give them plenty of room; one plant will occupy a space of 3 to 4 feet square. Can either



Strawberry (570)



Solanberry (530)

be sown in pots or boxes like Tomatoes and then transplanted to the open or sown in the open ground whenever it is fit, and thinned out. Useful for pies, pickles, sauces, etc., either alone or mixed with other fruits. Useful recipes free on request. Pkt., 10c.

## ORDER NOW!

Have Your Seed Ready  
 at Planting Time

## SQUASH

The Squash is one of the most nutritious and valuable of garden vegetables. The summer varieties come to the table early in the season, while the fall and winter varieties from August till spring.

**558 Delicious**—A winter variety of medium size, pear-shaped, of a dark green color, flesh orange, very dry and fine flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50, postpaid.

**550 Extra Early Orange Marrow**—The earliest of the Marrow Squashes and of fair size; color orange red; very prolific; a good keeper, and of highest quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25, postpaid.

**551 Giant Summer Crookneck**—The largest and one of the earliest summer varieties; fruits often 2 feet long; very warty, and deep orange in color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.20, postpaid.

**552 Golden Hubbard**—Quite like the old Hubbard in form and habit, but decidedly earlier; the shell is moderately warted, hard, strong and of rich orange red color; flesh deep orange, dry and of best quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25, postpaid.

Squash Continued on next page.

## DISCO

Guaranteed  
 Seeds  
 Are The Best  
 Seeds  
 Money Can  
 Buy



Golden Hubbard (552)



Giant Summer  
 Crookneck (551)



## Squash—Cont'd

**553 Improved Hubbard**—The standard Winter Squash; fruits large, heavy and moderately warted; shell dark bronze green; flesh bright orange yellow; fine grained, thick and dry. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25, postpaid.

**554 Warted Hubbard**—This variety of the Hubbard is a great favorite with the market men. Very striking in appearance, the warty knobs draw general attention. Grows to nearly double the size of the common Hubbard. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25, postpaid.

**555 Early White Bush Scallop**—Very early summer; fruit flattened and scalloped, comparatively smooth on the surface and creamy white color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.20, postpaid.

**559 Mammoth Whale**—Fruit 2 to 3 feet long, thick in the middle and narrowed at the stem end, sometimes weighing 75 pounds; skin gray green; flesh orange yellow, of excellent quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.70, postpaid.

**556 Vegetable Marrow, Long White Bush**—The well known Long White English Vegetable Marrow; the fruits are smaller than the trailing variety, but the plants take up much less space and can be planted closer. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00, postpaid.



Warted Hubbard Squash (554)

**557 Vegetable Marrow, Long White Trailing**—Fruits larger and a more abundant cropper. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00, postpaid.

## TOMATOES

**StimUplant**  
Makes a  
Wonder Garden

A most popular and wholesome vegetable; can be easily grown if attention is paid to cultural instructions, supplied free with every order.

**581 Bonnie Best**—A very early variety; fruits medium size; good market sort; free from hard core. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50, postpaid.

**582 Crimson Cushlon**—The largest of the bright red colored tomatoes; heavy cropper, of excellent quality. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50, postpaid.

**583 DISCO Earllana**—Our strain of this excellent variety is second to none and is, we believe, the earliest and best tomato in cultivation; unusually productive for an early sort; the fruits are of a medium size, round, very smooth and solid; the color is a bright scarlet; the flesh is of excellent quality and has, by careful selection, been developed so as to be as free as possible from seeds. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00, postpaid.

**584 Golden Queen**—Beautiful golden yellow color; ripens early; produces a large, smooth, solid fruit; very attractive and admirable for mixing with the Red variety for salads. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00, postpaid.

**585 John Baer**—Our stock of this excellent variety is of very uniform type; early, productive and of excellent quality. Splendid variety for shipping. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50, postpaid.

### SMALL FRUITED VARIETIES.

**590 Pear Shaped Red**—Useful for preserves. Fruits distinctly pear-shaped, beautiful bright red color. Pkt., 10c; oz., 40c; postpaid.

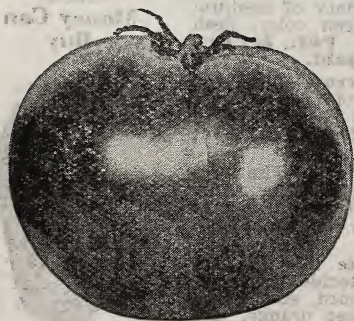
**591 Pear Shaped Yellow**—Similar to the Red variety, with exception of color. Pkt., 10c; oz., 40c, postpaid.

**592 Red Cherry**—Fruits very small, about the size of a large cherry; smooth and round; for preserves. Pkt., 10c; oz., 45c, postpaid.

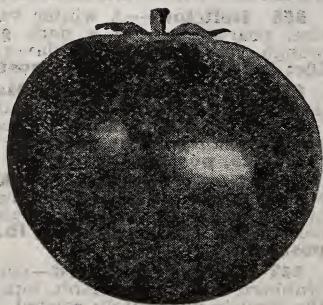
**593 Strawberry (Ground Cherry or Husk)**—The true Golden Husk Tomato; esteemed for preserves. Pkt., 10c; oz., 45c, postpaid.

**594 Yellow Plum**—A small yellow-fruited variety, resembling a plum in size and form. Pkt., 10c; oz., 40c, postpaid.

Disco Earllana is a Wonderful Cropper.



Disco Earllana (583)



Bonny Best (581)



Crimson Cushlon (582)



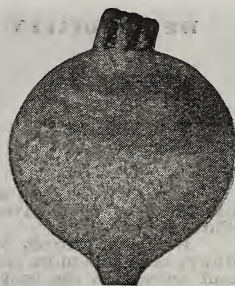
## TURNIP

If grown quickly and used as soon as ready, before they become stringy, the small garden turnips are a delightful vegetable. For late use, DISCO Garden Swede is more desirable.

**610 Purple Top Strap Leaved**—A very early productive variety. Roots are flat shaped, medium size, purple or dark red above ground, white below; flesh is white, exceedingly tender and fine-grained. The most widely cultivated and best known variety on the American continent. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.**

**611 Purple Top White Globe**—Very similar to the above in every particular excepting in shape, being a perfect globe shape, whereas the other variety is somewhat flat. A very superior sort and we highly recommend it. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.**

**Purple Top Strap Leaf Turnip (610)**



**Purple Top White Globe (611)**

## SWEDE OR RUTABAGA

**614 DISCO Special Garden or Table Swede**—Recommended for garden purposes, being very compact in top, with small, clean, neat, well-shaped roots, thick skin and sweet tender flesh. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.**

## HERBS

**Pot. Sweet and Medicinal, each, per pkt., 5c.**

- 630 Anise**—Used as a condiment for flavoring.
- 635 Balm**—An old-fashioned seasoning
- 636 Basil Bush**—In demand for flavoring.
- 637 Basil Sweet**—Very aromatic for flavoring.
- 638 Borage**—A beekeeper's plant.

- 639 Caraway**—The seeds are used for flavoring.
- 640 Catnip**—Grown for bee pasture; also seasoning.
- 641 Coriander**—The seeds are used for flavoring.
- 642 Dill**—For flavoring pickles.
- 643 Fennel**—For garnishing and flavoring sauces.
- 650 Horehound**—Very useful for coughs.
- 651 Hyssop**—Great medicinal value.
- 655 Lavender**—Very fragrant perfume.
- 660 Marjoram Sweet**—For seasoning.
- 670 Rosemary**—Leaves very fragrant.
- 671 Rue**—Used medicinally.
- 680 Sage**—Most useful aromatic herb.
- 681 Savory Summer**—Useful aromatic herb.
- 690 Thyme**—Useful aromatic herb.
- 695 Wormwood**—Good poultry medicine.

## TREE SEEDS

Trees for transplanting should be sown in drills 12 inches apart and the young trees transplanted as soon as large enough to handle; lift carefully so as to disturb the roots as little as possible.

### TREE, ORNAMENTAL SHRUB AND FRUIT SEEDS



Surround your house with trees, shrubs, and a hedge here and there; plant them judiciously, not too close, so that in time they will mark the house and be a nuisance, but close enough to afford shelter and privacy and make your place more homelike.

The most economical and in the long run the most successful method of raising trees and shrubs, whether for hedges, windbreaks or as ornamental trees around the home, is to raise them from seed at your own home. The list offered by us is careful selection, easily raised, grow quickly and are adapted for the Northwest and Middle West states.

Those marked with an asterisk \* are suitable for hedges and should be sown thinly either in 2 or 3 rows 9 inches apart, according to whether a narrow or wide hedge is desired, just where you want the hedge; the ground having been previously well prepared, no transplanting or thinning will be required. If clipped carefully when about 12 inches high, this will encourage branching and ensure a close growing, nice appearing hedge. Caragana makes the best hedge.

	It is intensely interesting to watch trees growing which you have raised from seed.	Postpaid.			
		Pkt.	Oz.	¼ lb.	½ lb.
800	Ash, Green ( <i>Fraxinus veridus</i> )	\$0 10	\$0.16	\$0.35	\$0.50
801	Ash, White ( <i>Fraxinus Americana</i> )	.10	.16	.35	.50
802	Ash, Mountain ( <i>Sorbus Americana</i> )	.10	.40	1.35	2.50
803	Birch, White ( <i>Betula alba</i> )	.10	.40	1.20	2.00
804	*Caragana (Siberian pea tree)	.10	.30	1.00	1.75
805	Cottonwood ( <i>Populus deltoides</i> )	.10	.30	.90	1.50
806	*Fir Balsam ( <i>Abies Balsamea</i> )	.15	.50	1.60	3.00
807	*Honey-suckle, Tartarian ( <i>Lonicera tartarica</i> )	.10	.60	1.75	2.50
808	Larch or Tamarack ( <i>Larix laricina</i> )	.25	1.00	.....	.....
809	*Lilac ( <i>Syringa vulgaris</i> )	.10	.35	.90	1.60
810	Maple, Soft ( <i>Acer Negundo</i> )	.10	.15	.35	.50
811	*Maple, Ginnal (Acer tartaricum)	.10	.50	1.25	3.00
812	Olive, Russian ( <i>Elaeagnus angustifolia</i> )	.10	.15	.45	.80
813	Pine, Scotch ( <i>Pinus sylvestris</i> )	.10	.50	1.80	3.25
814	*Plum, Native ( <i>Prunus niger</i> )	.10	.30	1.00	1.75
815	Spruce, Black ( <i>Picea nigra</i> )	.25	.75	2.75	5.00
816	Spruce, Norway ( <i>Picea excelsa</i> )	.10	.50	1.80	3.25
817	Spruce, White ( <i>Picea alba</i> )	.20	.75	2.50	5.00



WE CORDIALLY INVITE YOU TO GIVE OUR SWEET PEAS A TRIAL. WE ARE CONFIDENT THEY WILL PLEASE YOU.

## SWEET PEAS

Instead of listing our Sweet Peas in alphabetical sequence under their generic classification, we list them by themselves. We do this because of the importance we attach to this beautiful race of flowers.

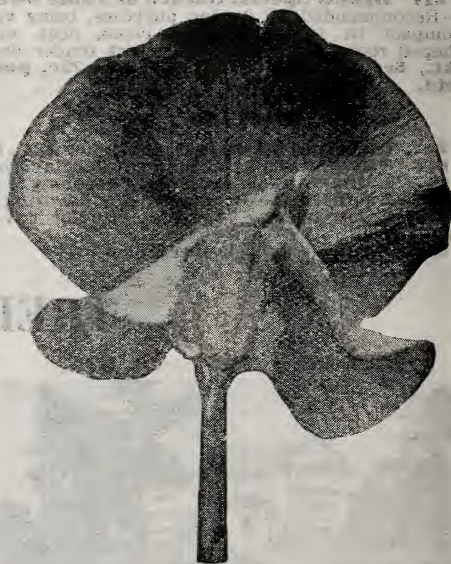
Everybody loves Sweet Peas—they are so easily grown, and at the same time no other annual flower responds more readily to good cultivation and proper care. Our selection of varieties is excellent and represents the best in their respective colors.

### Giant or Butterfly Spencers

Select List, Large Packets 10c each

- 2010 **Barbara**—Large salmon orange.
- 2021 **Cherub**—Rich cream edged rose.
- 2022 **Constance Hinton**—White, of enormous size and fine Spencer form.
- 2030 **Dainty Spencer**—Large white edged with clear rose pink.
- 2031 **Dobbie's Cream**—The best primrose self, grand color.
- 2032 **Don Alvar**—Large light lavender, pleasing color.
- 2040 **Elfrida Pearson**—Large shell pink, a leader in its class.
- 2051 **Fiery Cross**—Bright red orange cerise, very beautiful.
- 2060 **George Herbert**—Bright rosy carmine, of large size.
- 2070 **Helen Pierce**—White mottled and marbled bright blue.
- 2071 **Hercules**—Mammoth rosy pink, fine form and color.
- 2080 **Illuminator**—A glorious orange salmon, overlaid with cerise pink.
- 2100 **King Edward**—Rich crimson self, vigorous grower.
- 2101 **King Manuel**—Giant chocolate maroon self.

**StimUplant**  
Makes a  
Wonder Garden



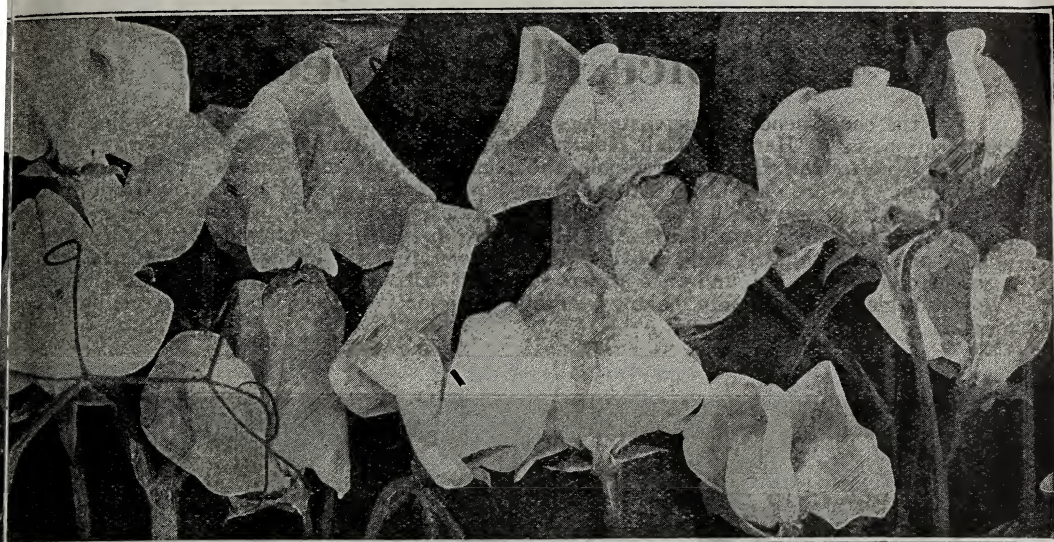
**New Margaret Madison**



**George Herbert**

- 2102 **King White**—A superb white, the best for the Northwest.
- 2110 **Lord Nelson**—Dark blue.
- 2120 **Margaret Atlee**—Apricot pink on cream ground.
- 2121 **Mrs. Cuthbertson**—Pink and white bicolor, best of its class.
- 2123 **Mrs. Hardcastle Sykes**—Delicate blue pink, a great favorite.
- 2130 **New Margaret Madison**—True lavender, a very dainty flower.
- 2131 **New Miriam Beaver**—Soft shell salmon pink on cream ground.
- 2140 **Orchid**—Lavender suffused pink.
- 2160 **Rosabelle**—Bright rose, one of the very best, fine form.
- 2171 **Royal Purple**—The very best purple variety, aptly named.
- 2180 **Senator**—Claret and chocolate stripe on light heliotrope.
- 2191 **The President**—Dazzling orange scarlet, fine flower.
- 2200 **Vermillion Brilliant**—Fine large scarlet, the best of its class.
- 2210 **Warrior**—Rich chocolate and maroon, a fine type.
- 2211 **Wedgwood**—Clear, azure blue, with mauve tint.





Early Snowflake

## New Early Flowering Long Season Spencers

The development and perfecting of this new race is destined, we believe, to increase the usefulness of this the most popular annual flower in the wide world. The history of its discovery is very interesting and dates back to 1889. At that time only one variety, so far as is known, had developed these early flowering characteristics, viz., Extra Early Blanche Ferry. Since that time the genius of the hybridizer and selector has been busy, in fact unceasing in their labors, and as a consequence we have today almost as comprehensive a range of color in the Early type as in the standard Spencers.

The early varieties are admirably adapted for greenhouse work, also for the Northwest. The fact that they will bloom about a month earlier is of inestimable value where short seasons are experienced. They also thrive better and continue longer in flower in Southern states where extreme heat is experienced.

**2250 Early Heatherbell**—A very pleasing color, being a rich mauve which changes to a mauve lavender after being cut and standing in water for a little while. Flowers are large, borne in fours, with stout stem. **Pkt., 10c.**

**2255 Early Melody**—Exquisite rose pink on white ground, very similar to the famous Countess Spencer. Very free-flowering and a most attractive flower. **Pkt., 10c.**

**2260 Early Morning Star**—A very popular flower, the standard being a deep orange-scarlet and the wings a rich orange pink; produces large flowers, three and four on a stem. **Pkt., 10c.**

**2265 Early Snowflake**—The best early white variety. Flowers large, of good substance and borne profusely. An excellent variety for market use. **Pkt., 10c.**

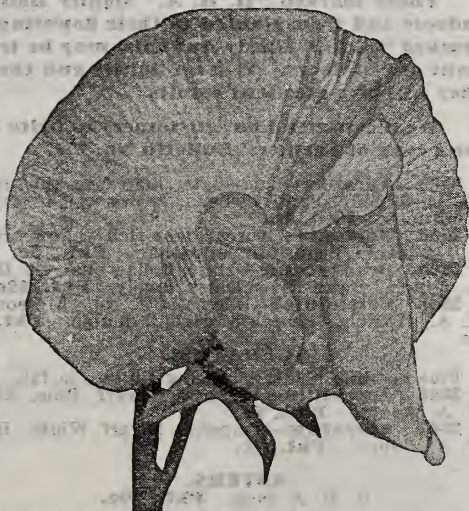
**2270 Early Songbird**—An excellent pale pink variety which is very desirable for cutting. Flowers are borne on long stems, with mostly four large, well waved blossoms to each stem. **Pkt., 10c.**

**2275 Early Spring Maid**—A beautiful cream pink variety; very strong grower. Flowers large and vines quite floriferous; cream ground flushed rose pink. **Pkt., 10c.**

**2280 Early Wedgewood**—A very telling flower of beautiful blue color; quite distinct. **Pkt., 10c.**

**2290 Yarrowa**—Of Australian origin. The introduction of this variety really attracted more attention to this new strain than did the original or first variety. Color a bright rose pink, with a clear creamy base, the wings being slightly lighter in color; flowers large and beautifully waved. **Pkt., 10c.**

**2295 Early Flowering Mixed**—A choice mixture of the best of the early-flowering varieties. **Pkt., 10c.**



Early Spring Maid

**2220 DISCO Spencer or Butterfly Mixture**—**Pkt., 10c; oz., 25c; ¼ lb., 75c.** A beautiful blend of 75 Spencers, including many new varieties. The choicest mixture to be had.

**2225 DISCO Grandiflora Mixture**—**Pkt., 5c; oz., 15c; ¼ lb., 50c.** A splendid assortment of finest colors, blended to harmonize and insure a fair proportion of all.



# Choice Flower Seeds

For the convenience of our customers we have listed our Flower Seeds according to the classification, viz.: **Hardy or Half Hardy Annuals**, **Hardy Annual Climbers**, **Hardy Biennial** and **Perennials**, **Half Hardy Perennials** and plants suitable for **Window**, **Table** and **Hou Decoration**. We are very anxious to see more flowers grown in and around our Farm Home that no investment pays such handsome dividends as a few cents spent in Flower Seeds. You can begin with the easily grown Hardy Annuals, and we predict that you will not be very long to become an enthusiast and recognize that Flowers are not a luxury nor an expense, but a source of real pleasure, and once a taste has been cultivated for them, a veritable necessity. We will be glad to help you in making a suitable selection. Our services are very gladly at your disposal.



**Calendula**

## Showy Annuals for Beds and Borders

Easily raised from seed.

Those marked "**H. H. A.**" signify **Half Hardy Annuals**, are best sown in pots or boxes indoors and transplanted to their flowering quarters when the weather is favorable. Those marked "**H. A.**," **Hardy Annuals**, may be treated in the same manner but may also be sown right out of doors. If sown lightly and the plants thinned out after they have germinated they will give excellent results.

We recommend our customers to write to **U. S. Department of Agriculture, Washington** for a copy of **Farmers' Bulletin No. 195**.

**2500 Abronia**—Umbellata, lilac fragrant, H. A., 3-inch. Sand verbenia, grows well in dry conditions. **Pkt., 5c.**

**2560 Bartonla**—Aurea, deep rich yellow, H. A., 12-inch. Beautiful poppy-like. **Pkt., 5c.**

**2565 Brachycome**—Iberidifolia, blue, H. H. A., 6-inch. Swan River Daisy, lovely. **Pkt., 10c.**

**2568 Calendula**—Officinalis fl. pl. Meteor, H. A., 12-inch. Scotch Marigold, double. **Pkt., 5c.**

### AGERATUM.

Fine bedding plants blooming till late in fall.

**2506 Ageratum**—Imperial Dwarf Blue, H. A., 6-inch. **Pkt., 5c.**

**2507 Ageratum**—Imperial Dwarf White, H. A., 6-inch. **Pkt., 5c.**

### ASTERS.

H. H. A. each. **Pkt., 10c.**

Our selection of Asters is the finest ever offered to the garden lovers of the Western States. Easily grown, provide abundance of cut flowers.

**2531 Comet, Mixed**—18-inch.

**2534 Comet, Giant Mixed**—18-inch.

**2537 Dwarf Chrysanthemum**—Mixed, 9-inch.

**2539 Dwarf Victoria**—Mixed, 9-inch.

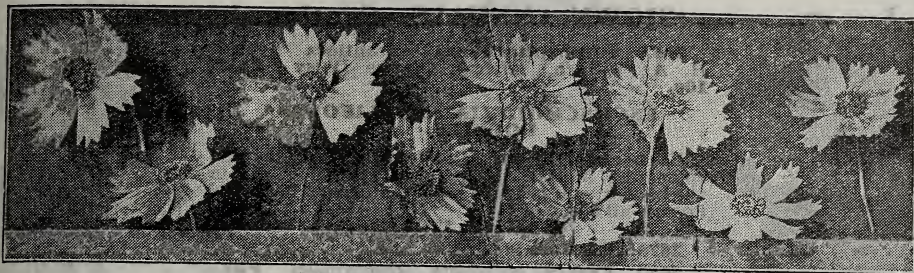
**2542 Sinensis, Mauve**—18-inch.

**2543 Sinensis**—18-inch. Lovely single forms of the original Chinese Aster.



**Giant Comet Aster**





Calliopsis

## SHOWY ANNUALS—Continued

- 2515 **Amaranthus**, *caudatus*, H. A., 24-inch. Love-lies-bleeding red. **Pkt., 5c.**  
 2512 **Alyssum**, *Benthami Sweet Alyssum*, H. A., 4-inch. Valuable for edgings. **Pkt., 5c.**  
 2513 **Alyssum**, *Benthami Compactum*, H. A., 4-inch. Little Dorritt, very dwarf. **Pkt., 10c.**

## CLARKIAS

Should be in every garden; easily grown; make a gorgeous display.

- 2611 **Elegans**. **Pkt., 5c.**  
 2612 **Elegans**, double, mixed, H. A., 24-inch. **Pkt., 5c.**  
 2613 **Pulchella**, mixed. **Pkt., 5c.**  
 2614 **Pulchella**, double, mixed, H. A., 24-inch. **Pkt., 5c.**

## CALLIOPSIS.

Easily grown; succeed anywhere; showy in the flower border and provide graceful, attractive cut bloom of unique colors.

- 2569 **Tinctoria** (bi-color), H. A., 24-inch. **Pkt., 5c.**  
 2571 **Tinctorianana**, "Golden Ray," H. A., 12-inch. **Pkt., 5c.**  
 2574 **Dwarf Mixed**, H. A., 9-inch. **Pkt., 5c.**  
 2575 **Drum**, *Golden Wave*, H. A., 18-inch. **Pkt., 5c.**  
 2592 **Celosia**, *pyr.*, *Thompsoni magnifica*, H. H. A., 18-inch. Extra choice, splendid variety. **Pkt., 10c.**

## Cyanus.

- The popular Cornflower or Bachelor's Button.  
 2632 **Cyanus**, *Minor*, blue, H. A., 24-inch. **Pkt., 5c.**  
 2633 **Cyanus**, *Minor*, mixed, H. A., 24-inch. **Pkt., 5c.**  
 2559 **Balsam**, *Double Camellia-flowered*, H. H. A., 24-inch. A splendid pot plant. **Pkt., 10c.**

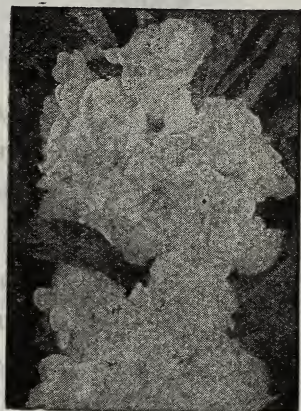
## CANDYTUFT.

H. A., 12-inch, each. **Pkt., 5c.**  
 One of the brightest and easiest grown hardy annuals. Gives a gorgeous display through the season.

- 2576 **Empress White**.  
 2578 **Dunnett's Crimson**.  
 2581 **Mixed extra choice**.

## CHRYSANTHEMUMS.

- 2598 **Chrysanthemum**, *coronarium*, mixed, double, H. A., 18-inch. Splendid for cut flowers. **Pkt., 5c.**  
 2600 **Inodorum**, double white, H. A., 18-inch. Very showy for border. **Pkt., 10c.**  
 2601 **Tricolor Album** (*carinatum*), H. A., 18-inch. White with yellow ring. **Pkt., 5c.**  
 2604 **Tricolor**, mixed, H. A., 18-inch. Bright and effective colors. **Pkt., 5c.**



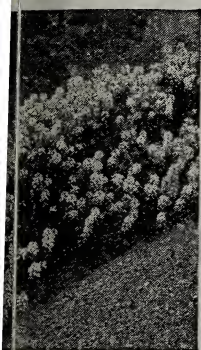
Balsam



Calliopsis



Chrysanthemum



Sweet Alyssum



Celosia



Clarkia



## SHOWY ANNUALS—Continued

2662 **Dimorphotheca**, *Aurantiflora* hybrid. H. A., 15-inch. African Orange Daisy. Pkt., 10c.

## ESCHSCHOLTZIA or CALIFORNIA POPPIES.

**Eschscholtzia** or **California Poppies** do splendidly in the Northwest, scattered thinly in the border; will produce an abundance of beautiful flowers all summer.

H. A., 12-inch.

2679 **Californica**. Pkt., 5c.

2680 **Erecta**, compacta, *Rose Queen*. Pkt., 5c.

2681 **Mandarin**. Pkt., 10c.

2682 **Rose Cardinal**. Pkt., 10c.

2683 **Crocea**. Pkt., 10c.

2684 **Golden West**. Pkt., 10c.

2685 **Mixed**. Pkt., 5c.

2689 **Galliardia**, *picta*, Blanket Flower, H. A., 12-inch. Yellow and Scarlet. Pkt., 10c.

2690 **Galliardia**, *Lorenziana*, H. A., 12-inch. Red and Yellow. Pkt., 10c.

2620 **Convolvulus**, Minor, mixed. H. A., 12-inch. Dwarf Morning Glory. Pkt., 5c.

## COSMOS.

**Cosmos** do particularly well in the Northwest their feathery foliage adding to their charm.

2623 **Cosmea**, *bipinnata*, *Empress*, mixed. H. H. A., 42-inch. Pkt., 5c.

2624 **Cosmea**, *Mammoth Giant*, mixed, H. H. A., 42-inch. Pkt., 5c.

2625 **Cosmea**, *Lady Lennox*, H. H. A., 42-inch. Giant Orchid flowering. Pkt., 10c.

2678 **Erysimum**, *Peroffskianum*, H. A., 18-inch, bright orange. Very fragrant. Pkt., 5c.

2714 **Gypsophila**, *elegans*, *alba*, H. A., 18-inch. Known as Baby's Breath. Pkt., 5c.

## GODETIA.

Nothing can equal the **Godetia** for quickly producing a blaze of flowers. Our selection will give a magnificent display.

2703 **Lady Albemaree**, H. A., 12-inch. Pkt., 5c.

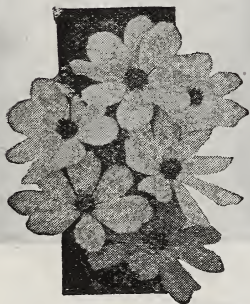
2704 **Lady Satin Rose**, H. A., 12-inch. Pkt., 5c.

2705 **Mixed Tall Varieties**, H. A., 18-inch. Pkt., 5c.

2706 **Dwarf Varieties**, H. A., 12-inch. Pkt., 5c.



Eschscholtzia



Cosmos



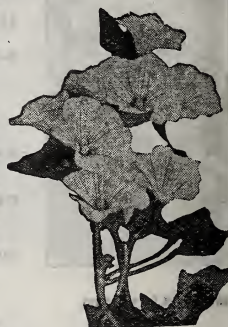
Dimorphotheca



Erysimum



Galliardia



Godetia



Gypsophila



Convolvulus



**Helianthus****Jacobaea****Kochia****SHOWY ANNUALS—Continued**

**2730 Helianthus, globosus fistulosus, H. A., 72-inch.** Lemon color, intensely double quilled. **Pkt., 10c.**

**2728 Californicus, double, H. A., 60-inch.** Tall double golden yellow. **Pkt., 10c.**

**2729 Cucumerifolius Stella, H. A., 36-inch.** Miniature star-shaped single flower. **Pkt., 10c.**

**2731 New Red or Gaillardia flowered.** Rich chestnut red color, H. A., 60-inch. **Pkt., 10c.**

**2796 Lupinus, Annual Varieties, Mixed H. A., 18-inch.** Foliage and flowers make gorgeous display. **Pkt., 5c.**

**LUPINS.**

Lupins with their silvery foliage and sprays of pea-like flowers make a splendid background for a flower border.

**H. A., 30-inch. Each Pkt., 5c.**

**2797 Large Blue.**

**2798 Large White.**

**2799 Large Rose.**

**2800 Large Yellow.**

**2784 Linaria, reticulata, H. A., 12-inch.** Dark violet. **Pkt., 5c.**

**2813 Malope, grandiflora, H. A., 24-inch.** Old-fashioned scarlet Mallow. **Pkt., 5c.**

**2782 Limnanthes, Douglasii, fragrant, H. A., 6-inch.** Beautiful perfume; early. Splendid for bees. **Pkt., 5c.**

**2780 Lavatera, trimestris, white, H. A., 36-inch.** **Pkt., 10c.**

**2781 Lavatera, trimestris, red, H. A., 36-inch.** **Pkt., 10c.** Handsome profuse flowering.

**2765 Jacobaea, dwarf double mixed, H. A., 20-inch.** Beautiful double flowers, useful for cutting. **Pkt., 10c.**

**2823 Matricaria, Eximia, double white, H. A., 12-inch.** **Pkt., 10c.**

**2824 Nana Golden Ball, double, H. H. A., 12-inch.** **Pkt., 10c.**

Beautiful daisy-like flowers; form nice shaped bushy plants.

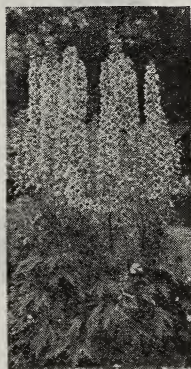
**LARKSPUR.**

Beautiful annuals, succeed anywhere and give charming effect.

**2776 Larkspur, tall branching, mixed, H. A., 2-inch.** **Pkt., 5c.**

**2777 Larkspur, double tall rocket mixed.** **Pkt., 5c.**

**2778 Larkspur, dwarf hyacinth-flowered, H. A., 12-inch.** **Pkt., 5c.**

**Larkspur****Helichrysum****Linaria**

**2767 Kochia, tricophylla (Summer Cypress), H. A., 24-inch.** The Mexican Fire Bush; beautiful foliage. **Pkt., 5c.**

**2733 Helichrysum, mons, double mixed, H. A., 18-inch.** Useful, everlasting. **Pkt., 5c.**

**2822 Matthiola, bicornis (Evening Scented Stock), H. A., 12-inch.** Emits an exquisite perfume after sundown. **Pkt., 5c.**

**Lavatera****Lupinus**





Linum



Mesembryanthemum



Marvel of Peru

## SHOWY ANNUALS—Continued

2786 **Linum, grandiflorum rubrum**, H. A., 18-inch. Old-fashioned Scarlet Flax. Pkt., 5c.

## MIGNONETTE.

Our strains of the old-fashioned Mignonette are very fine, large flowers, and deliciously scented. **Gollath** and **Machet** varieties are splendid for indoor culture in pots as well as outdoor use.

H. A., 12-inch.

2828 **Large Flowering**. Pkt., 5c.

2829 **Golden Queen**. Pkt., 10c.

2830 **Gollath**. Pkt., 10c.

2831 **Machet**. Pkt., 10c.

## NASTURTIUM.

Our selection of Nasturtiums will be found to contain a very choice assortment of colors. The dwarf varieties are splendid for edgings or borders, and the tall, for covering unsightly corners or trellises. See also Hardy Annual Climbers for tall varieties.

**Tom Thumb**, H. A., 12-inch. Each pkt., 5c.

2850 **Aurora**, Rosy Apricot.

2851 **Emp. of India**, Crimson Scarlet.

2853 **King Theodore**, Dark Foliage.

2854 **Queen**, maroon, crimson variegated leaves.

2856. **Mixed**, Choice Selection.

2827 **Mesembryanthemum**, Crystallinum, H. H. A., 3-inch, Ice Plant, easily grown; most interesting. Pkt., 5c.

## PHLOX

Very pretty annuals blooming the whole season through; very useful for house decoration; last a long time when cut.

2901 **Phlox**, Drum, grandiflora. Mixed, H. H. A., 12-inch. Pkt., 5c.

2902 **Nana compacta**, coccinea, H. H. A., 6-inch. Pkt., 5c.

2904 **Snowball**, H. H. A., 6-inch. Pkt., 5c.

2905 **Mixed**, H. H. A., 6-inch. Pkt., 5c.

2864 **Nemphilla**, insignis, bright blue, H. A., 6-inch. Old-fashioned edging plant. Pkt., 10c.

## NEMESIA.

Charming bushy plants for border; beautiful butterfly flowers, each pkt., 10c.

2861 **Nemesia**, Compacta, Blue Gem, H. H. A., 12-inch.

2862 **Compacta**, White Gem, H. H. A., 12 inch.

2863 **Strumosa Nana Compacta**, H. H. A. 12-inch. Splendid plants for pots or borders.

## NICOTIANA.

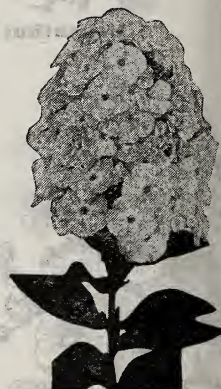
The flowering tobacco plant; very fragrant and beautiful.

2865 **Nicotiana**, Affinis, pure white, H. H. A. 36-inch. Pkt., 10c.

2866 **Affinis**, Hybrids. Mixed H. H. A., 36 inch. Pkt., 10c.



Nasturtium



Phlox



Mignonette



Marigold

2821 **Marvel of Peru** (Four O'Clock), H. A., 30-inch. Easily grown; very showy. Pkt., 5c.

## MARIGOLD.

H. H. A. Each pkt., 10c.

Our strains of Marigolds are exceptionally fine; will produce a large percentage of double flowers of exquisite colors, quite distinct from almost anything else you can grow in the garden.

2814 **African Orange**. 24-inch.

2815 **African Lemon**. 24-inch.

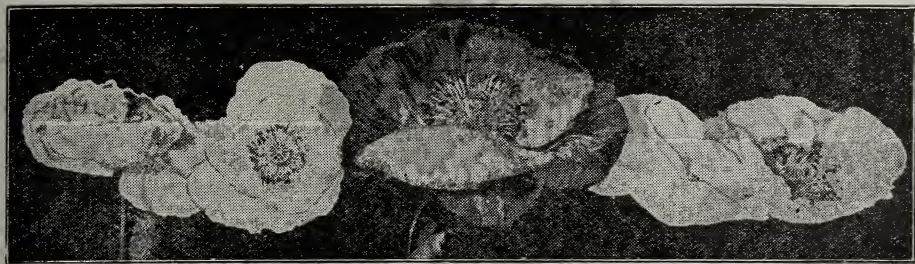
2816 **French Mixed**. 18-inch.

2817 **French Dwarf Mixed**. 6-inch.

2818 **French Gold Striped Selected**. 18-inch.

2819 **French Legion of Honor**. 6-inch.





Poppies

## SHOWY ANNUALS—Continued

## POPPY.

**2911 Danish Flag.** H. A. 24-inch. Single flowered. White with red band. **Pkt., 10c.**

**2908 Carnation, flowered.** Mixed. H. A. 24-inch. Choice double flowers. **Pkt., 5c.**

**2909 Ranunculus, flowered.** H. A. 24-inch. Sometimes called the French poppy. Beautiful. **Pkt., 5c.**

**2912 Japanese Pompon, mixed.** H. A. 24-inch. Small; double; perfectly formed flowers. **Pkt., 5c.**

**2914 The Shirley.** Mixed colors. H. A. 24-inch. An exquisite strain of this chaste flower. **Pkt., 5c.**

**2941 Rudbeckia, bicolor superba hybrida.** Produces deep golden flowers. H. A. 24-inch. **Pkt., 10c.**

**2994 Perilla, Nankinensis.** H. H. A. 18-inch. Beautiful wine-colored foliage. **Pkt., 10c.**

## NIGELLA.

Love-in-a-mist; curious and interesting plants, splendid for mixing with California Poppy and Godetia.

**2868 Nigella, damascena, double.** H. A. 18-inch. **Pkt., 5c.**

**2869 Miss Jekyll, azure blue.** H. A. 18-inch. **Pkt., 5c.**

**2870 Hispanica.** H. A. 18-inch. **Pkt., 5c.**

## RICINUS.

The beautiful large colored leaves produce a nice effect. Popularly known as Castor Oil plant.

**2938 Ricinus, Gibsonii.** H. H. A. 60-inch. **Pkt., 5c.**

**2939 Sanguineus.** H. H. A. 60-inch. **Pkt., 5c.**

**2940 Zanzibaricensis.** Mixed. H. H. A. 60-inch. **Pkt., 5c.**



Portulaca

## PORTULACA

**2916 Portulaca grand,** large single flowers. H. H. A. 6-inch. **Pkt., 5c.**

**2917 Portulaca grand,** double mixed. H. H. A. 6-inch. **Pkt., 10c.**

Hot sun or drying winds do not affect.



Rudbeckia



Perilla



Ricinus



## SHOWY ANNUALS Continued

**Rhodanthe**

**2937 Rhodanthe Manglesii**, rose. H. H. A. 12-inch, useful everlastings. **Pkt., 5c.**

**3035 Zea Japonica**, variegata. H. A. 48-inch. Leaves beautifully striped. **Pkt., 10c.**

**3023 Wallflower**, annual. Single mixed. H. A. 12-inch. Can be grown like other annuals. **Pkt., 10c.**

**2952 Salpiglossis grandiflora**, mixed. H. H. A. 24-inch. One of our most beautiful annuals. **Pkt., 10c.**

**Salpiglossis****Silene****STOCKS.**

Our stocks are saved from one of the finest strains in Europe, and will delight and satisfy you

**2970 Dwarf**, large flowering, ten week, white. H. H. A. 12-inch. **Pkt., 10c.**

**2971 Flesh pink**. H. H. A. 12-inch. **Pkt. 10c.**

**2972 Crimson**. H. H. A. 12-inch. **Pkt. 10c.**

**2973 Violet**. H. H. A. 12-inch. **Pkt., 10c.**

**2974 Mixed**. H. H. A. 12-inch. **Pkt., 10c.**

**2975 Princess Alice**. H. H. A. 12-inch. Pearly white, very early. **Pkt., 10c.**

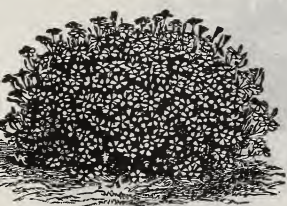
**2963 Silene**, pendula, compacta, pink. H. A. 6-inch. Charming for edging or rockeries. **Pkt., 5c.**

**2993 Tagetes**, signata pumila. Yellow. H. H. A. 6-inch. A gem for edging or pots. **Pkt., 5c.**

**3015 Virginian Stock**. Mixed. H. A. 9-inch. Very useful for edging. **Pkt., 5c.**

**2960 Schizanthus papilionaceus**. H. A. 18-inch. Lilac and white spotted. **Pkt., 10c.**

**2961 Wisetonensis**. H. H. A. 18-inch. Valuable as a house plant. **Pkt., 10c.**

**Tagetes****Virginia Stock****SWEET SULTAN.**

Graceful feathery flowers. One of the most useful annuals for cut flower decorations.

**2980 Sweet Sultan**, purple. H. A. 24-inch. **Pkt., 5c.**

**2981 White**. H. A. 24-inch. **Pkt., 5c.**

**2982 Yellow**. H. A. 24-inch. **Pkt., 5c.**

**2983 Mixed**. H. A. 24-inch. **Pkt., 5c.**

**ZINNIAS.**

Zinnias do exceptionally well in the Northwest. Our strains are magnificent. By planting the large at the back and smaller in front, a grand show can be had.

**3026 Zinnia elegans**, double. Mixed. H. H. A. 24-inch. **Pkt., 10c.**

**3033 Elegans**, Liliput. Mixed. H. H. A. 12-inch. **Pkt., 10c.**

**Zinnia**



# Hardy Annual Climbers

Easily raised from seed

May be either sown in pots or boxes and transplanted, or if preferred, may be sown in the open round where they are intended to flower. Gourds are easily grown and very interesting.

## GOURDS—ORNAMENTAL.

2707 **Hercules Club.** Fruit grows 3 to 4 feet long. Pkt., 5c.

2708 **Powder Horn.** Very interesting Gourd. Pkt., 5c.

2709 **Bottle.** The original Thermos. Used by pilgrims in the East. Pkt., 5c.

2710 **Dipper.** Makes really an excellent dipper. Pkt., 5c.

2711 **Dishcloth.** Fruit makes a dishcloth always sweet. Pkt., 5c.

2712 **Egg-shaped.** White. Fruit may be used as nest egg. Pkt., 5c.

2674 **Echinocystis.** Wild Cucumber. Splendid for verandas. Pkt., 5c.

2860 **Nasturtium.** Tall, mixed. Fine for trellis or covering unsightly corners. Pkt., 5c.

2740 **Humulus.** Japonicus, Japanese Hop. A very rapid-growing climber. Pkt., 5c.

2741 **Variegated.** Fine silver striped leaves. Pkt., 10c.

## CONVOLVULUS

2621. **Convolvus.** Major, mixed. Tall Morning Glory. Pkt., 5c.



Convolvulus

2663 **Dolichos.** Lablab, mixed. Hyacinth Bean, very pretty. Pkt., 5c.



Dolichos



Tropaeolum



Humulus

2996 **Tropaeolum, canariense.** The Canary Bird Flower. Pkt., 5c.



# Hardy Perennials and Biennials

Easily Raised From Seed

**StimUplant**  
Makes a  
Wonder Garden

Those marked "H. P." are perennials and "H. B." biennials. Both can be treated in the same way. May be sown in the Spring indoors and transplanted. If this method is adopted will be in bloom the first year. They may be also sown in June or July out of doors and will remain out all winter if give slight covering and can be transplanted to their flowering quarters in the spring.



**Bellis Perennis**



**Alyssum**



**Aquilegia**



**Cerastium**

**2502 Achillea**, ptarmica, fl. pl. The Pearl. H. P. 18-inch. Double white, splendid for cutting. **Pkt., 10c.**

**2514 Alyssum saxatile** compactum. H. P. 6-inch. Golden Alyssum A-1 rock plant. **Pkt., 10c.**

## AQUILEGIA.

**2523 Aquilegia**. New single hybrids. H. P. 24-inch. Columbine, magnificent spurs. **Pkt., 10c.**

**2524 Aquilegia**. Mixed, double. H. P. 24-inch. Very beautiful colors. **Pkt., 10c.**

**2525 Arabis**, Alpina (Mountain Snow). H. P. 6-inch. Beautiful white flower. **Pkt., 10c.**

**2561 Bellis Perennis**, mons, double, mixed. H. P. 6-inch. Double Daisies; sow early. **Pkt., 10c.**

## CARNATIONS.

Sown indoors in February will bloom in August. **2588 Carnation**, Riviera Market. H. P. 24-inch. **Pkt., 15c.**

Beautiful double flowers, extra early, free-blooming, flower six months after sown.

**2589 Carnation**, Grenadin, double. H. P. 18-inch. **Pkt., 10c.**

**2590 Carnation**, Chabaud's or Earliest French. H. P. 24-inch. **Pkt., 15c.**

**2591 Carnation**, Margarita Semi-Dwarf, mixed. H. P. 9-inch. **Pkt., 10c.**

## ANTIRRHINUM.

Three of the very finest types and strains of the old-fashioned Snapdragon. Everyone should grow these.

**2520 Antirrhinum**, majus, mixed. H. P. 24-inch. **Pkt., 10c.**

**2521 Antirrhinum**, majus, dwarf, mixed. H. P. 12-inch. **Pkt., 10c.**

**2522 Antirrhinum**, majus, Tom Thumb, mixed. H. P. 6-inch. **Pkt., 10c.**

**2597 Cerastium**, Tomentosum. H. P. 6-inch. Silvery foliage; fine for ribbon. **Pkt., 10c.**

**2605 Chrysanthemum**, maximum, King Edward VII. H. P. 18-inch. Grand for cutting and borders the "White Marguerite." **Pkt., 10c.**



**Canterbury Bells**

**2584 Canterbury Bells**. Single mixed. H. P. 30-inch. The old-fashioned single. **Pkt., 10c.**

**2585 Canterbury Bells**. Double mixed. H. P. 30-inch. The old-fashioned double. **Pkt., 10c.**

**2586 Calycanthema**. H. B. 30-inch. Cup and saucer variety. **Pkt., 10c.**

**2548 Auricula**, Alpine, mixed. H. P. 6-inch. Grand border strain. **Pkt., 10c.**

**2652 Delphinium**, grand, single, mixed. H. P. 36-inch. A stately border plant. **Pkt., 10c.**



**Delphinium**



**Auricula**



# HARDY PERENNIALS and BIENNIALS

Continued

## DIANTHUS or INDIAN PINKS.

*Dianthus* or Indian Pinks may be treated as Hardy Annual; if sown early out of doors, will bloom early, splendid for borders and cut flowers for the house; delicate perfume.

**2653 *Dianthus Chinensis***, double, mixed. H. B. 12-inch. **Pkt., 5c.**

**2656 *Dianthus Heddewigii***. H. B. 12-inch. **Pkt., 5c.**

**2660 *Dianthus Plumarius***, single garden pink. H. P. 12-inch. The old-fashioned perennial pink. **Pkt., 10c.**

**2732 *Hellanthus rigidus*** (Perennial Sun-flower). H. P. 72-inch. Small, single, star-shaped flower. **Pkt., 10c.**

**2795 *Lupinus polyphyllus***. H. P. 36-inch. Stately spikes of blue flowers. **Pkt., 10c.**

**2691 *Gallardia grandiflora***. H. P. 24-inch. Beautiful large flowers. **Pkt., 10c.**

**2737 *Hollyhock***, double. Choice colors. H. P. 72-inch. Sow early; will bloom first year. **Pkt., 10c.**

**2676 *Gnaphallum Leontopodium***. H. P. 6-inch. Swiss Edelweiss. **Pkt., 10c.**

**2752 *Iberis sempervirens***, white. H. P. 6-inch. Perennial candytuft. **Pkt., 10c.**

**2661 *Digitalis montrosa***. Giant Foxglove. H. P. 36-inch. Magnificent giant strain; fine colors. **Pkt., 10c.**

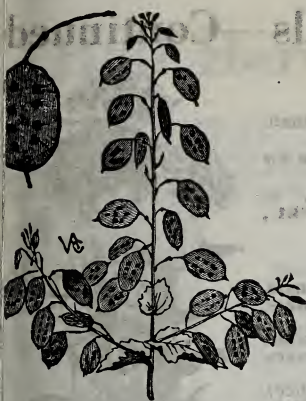
**2738 *Honesty***, mixed. H. B. 36-inch. The silvery seed pods are very pretty. **Pkt., 10c.**

## MYOSOTIS.

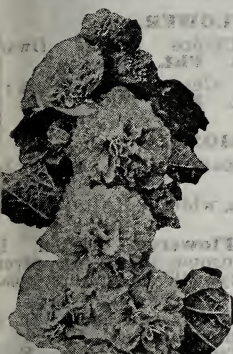
The old-fashioned Forget-Me-Nots are favorites with everyone. If sown in the spring and potted up in the fall, will bloom indoors all winter. Sown in June will bloom early following spring.

**2842 *Myosotis dissitiflora***. Perfection, blue. H. P. 6-inch. **Pkt., 10c.**

**2843 *Myosotis palustris***, blue. H. P. 6-inch. **Pkt., 10c.**



Honesty



Hollyhocks



Hellanthus

**STIMUPLANT**  
Makes a  
WONDER GARDEN



Gallardia

**STIMUPLANT**  
Makes a  
WONDER GARDEN



Lupinus



Digitalis



Iberis



# Hardy Perennials and Biennials—Continued

## PANSIES.

**2881 Pansy**, Bugnot's Giant. H. P. 6-inch. Beautiful large flowers. **Pkt., 10c.**

**2887 Mixed colors**. H. P. 6-inch. Fine for general use. **Pkt., 5c.**

**2888 Trimardeau**, Giant, mixed. H. P. 6-inch. Superb strain; enormous flowers. **Pkt., 10c.**

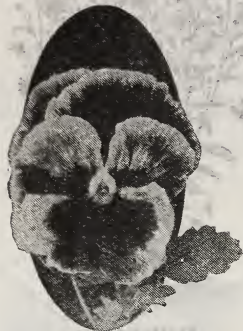
## PYRETHRUM.

**2925 Pyrethrum**, roseum hybridum, single. H. P. 24-inch. Beautiful Marguerite-like flowers. **Pkt., 10c.**

**2926 Pyrethrum**, roseum hybridum, Double. H. P. 24-inch. Splendid for early cut flowers. **Pkt., 10c.**

**2924 Pyrethrum**, aureum (Golden Feather). H. P. 6-inch. Beautiful plant for edging. **Pkt., 10c.**

**2893 Pentstemon**. Large flowered of hybrids. H. P. 18-inch. Will bloom first year from seed. **Pkt., 10c.**



Giant Pansy



Sweet William

All plants on this page will live for years if properly cared for. Need very little attention.

## POPPIES.

**2889 Papaver**, bracteatum, Scarlet. H. P. 36-inch. The true perennial Scarlet Poppy. **Pkt., 10c.**

**2890 Papaver**, nudicaule, single, mixed. H. P. 12-inch. The popular Iceland Poppy. **Pkt., 10c.**

**2891 Papaver**, Orientale, brilliant colors. **Pkt., 10c.**

## VIOLETS.

**3013 Viola**. Tufted, or bedding varieties. Mixed. H. P. 6-inch. Sown early will bloom first year. **Pkt., 10c.**

**3014 Viola**, odorata, mixed, Sweet Violet. H. P. 6-inch. Choice mixture of best sorts. **Pkt., 10c.**

If sown in July and given slight protection to hold the snow, will bloom early in spring.

## WALLFLOWER.

**3020 Wallflower**. Choice Double Dwarf. Mixed. H. P. 12-inch. **Pkt., 10c.**

**3029 Wallflower**. Choice Single Dwarf. Mixed. H. P. 12-inch. **Pkt., 10c.**

## SCABIOSA.

**2956 Scabiosa**, Caucasica Blue. H. P. 36-inch. **Pkt., 10c.**

**2957 Caucasica alba**, white. H. P. 36-inch. **Pkt., 10c.**

**2959 Double Large Flowered**. Mixed. H. P. 12-inch. Very handsome plants for perennial border. Sown early will bloom first year. **Pkt., 10c.**

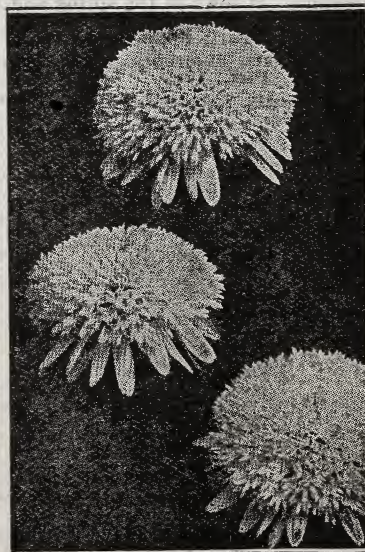
**2984 Sweet William** auricula eyed. H. 18-inch. Splendid for cutting. **Pkt., 10c.**

**2964 Shamrock**. True Irish variety. H. 6-inch. Sow this for St. Patrick's Day. **Pkt., 10c.**

**2976 Stock**, Brompton. Mixed. H. P. 12-inch. Sown early will bloom outdoors. **Pkt., 10c.**



Pentstemon



Pyrethrum



Scabiosa



# Half Hardy Perennials Easily Raised From Seed

They should be sown indoors and transplanted into the open ground when weather is favorable and should be lifted in the Fall if it is intended to save them during the Winter. Some of these may also be treated as house plants. For instance, *Mimulus moschatus*, the old-fashioned Musk. Petunias may be also treated as house plants or may grow in the same manner as half annuals. Half hardy Climbers (H. H. C.) may be treated in the same way as half hardy perennials (H. H. P.)

## DAHLIAS.

Dahlias grow freely from seed and make stronger plants than from cuttings.

2645 *Dahlia*. Single, large flowered. H. H. P. 48-inch. Pkt., 10c.

2646 *Dahlia*. Choicest double. H. H. P. 48-inch. Pkt., 10c.

2837 *Mimulus*, *Tigrinus*, tigered and spotted. H. H. P. 6-inch. Giant Musk or Monkey Flower. Pkt., 10c.

2836 *Moschatus* (Musk). H. H. P. 6-inch. Old-fashioned sweet scented Musk. Pkt., 10c.

## LOBELIA.

2790 *Alba White*. H. H. P. 3-inch. Well-known edging plant. Pkt., 10c.

2791 *Speciosa Crystal Palace*. H. H. P. 3-inch. Makes a nice pot plant. Pkt., 10c.

2792 *Tenuior*. Intense blue. H. H. P. 9-inch. Lovely for pots or hanging baskets. Pkt., 10c.

## PETUNIA.

Nothing beats Petunias for giving a splendid show. They can be treated as Annuals, or if lifted and potted in the fall, will keep all winter and bloom in early spring.

2895 *Giants of California*. Mixed. H. H. P. 24-inch. Pkt., 10c.

2898 *Hybrida*. Mixed. H. H. P. 24-inch. Pkt., 10c.

2899 *Hybrida grandiflora* fringed, mixed. H. H. P. 24-inch. Pkt., 10c.

2900 *Hybrida grandiflora*, double fringed. Mixed. H. H. P. 24-inch. Pkt., 25c.

2775 *Lantana*. New dwarf compact hybrids. H. H. P. 9-inch. Splendid pot plant; bloom outdoors all summer. Pkt., 10c.

2742 *Hunneemannia*, *fumariaefolia*. H. H. P. 24-inch. Makes a nice pot plant. Pkt., 10c.

3009 *Verbena*, *hybrida*, mammoth mixed. H. H. P. 6-inch. Enormous flowers; colors fine. Pkt., 10c.

3012 *Verbena Venosa*, purple and heliotrope. H. H. P. 12-inch. House or greenhouse; easily grown. Pkt., 25c.



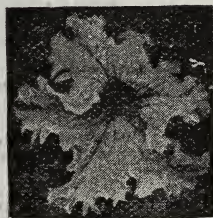
Double Dahlias



Verbenas



Single Dahlias



Double Petunia



Lobelia



Mimulus



Lantana



Hunneemannia

2755 *Japanese Morning Glory*, *Ipomoea*, Imperial Japanese. H. H. C. 96-inch. These morning glories, if given protection from wind, will bloom beautifully all Summer long. Pkt. 10c.



# Plants Suitable for Decoration

## Easily Raised from Seed

Those marked "G. P." are perennials and "G. A." are annuals. They are easily raised from seed should be sown indoors in small pots and when the plants are large enough to handle, transplanted in small pots singly and potted along into larger pots as they develop.



**Calceolaria**



**Heliotropium**



**Cineraria**

**2566 Calceolaria.** Choice strain. G. A. 18-inch. Spotted, blotched and self-colored. **Pkt., 25c.**

**2892 Pelargonium,** fancy. G. P. 18-inch. Splendid for window and house decoration. **Pkt., 25c.**

**2615 Cobaea,** scandens. Mixed. H. H. C. Makes a splendid house plant. **Pkt., 10c.**

**2734 Heliotropium.** Largest flowering giant mixed. G. P. 24 inch. Heliotrope or Cherry Pie Plant. **Pkt., 10c.**

### BEAUTIFUL BASKET PLANTS.

**2527 Asparagus,** plumosus nanus. G. P. 18 inch. Asparagus fern. **Pkt., 25c.**

**2528 Asparagus,** Sprengeri. G. P. 12 inch. Ideal basket plant. **Pkt., 15c.**

**2979 Streptocarpus.** Choicest hybrids. G. P. 9 inch. Distinctive; easily grown house plant. **Pkt., 15c.**

**2607 Cineraria,** hybrida grandiflora. G. A. 18 inch. Gorgeous colors. **Pkt., 25c.**

**2694 Geranium,** Zonale. Choice, single mixed. G. P. 18 inch. Easily raised from seed delightful colors. **Pkt., 25c.**

**2695 Geranium,** Apple. Scented odoratissima. G. P. 18-inch. Delicious perfume. **Pkt. 25c.**

**2562 Begonia,** tuberous rooted. Beautiful large G. A. 18-inch. Double flowers. Brilliant colors. **Pkt., 15c.**

**2686 Eucalyptus,** globulus (Blue Gum). G. P. 60-inch. Makes a nice pot plant. Antidote for "flu." **Pkt., 10c.**

**2688 Fuchsia.** A splendid variety. G. I. 48-inch. Popular house plant. **Pkt., 25c.**

**STIMUPLANT**  
Makes a  
**WONDER GARDEN**



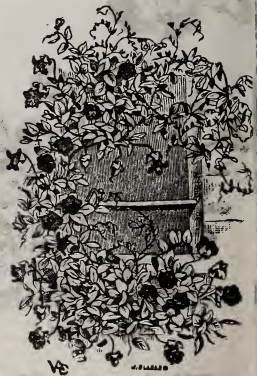
**Geranium Zonale**



**Asparagus Sprengeri**



**Pelargonium**



**Cobaea**



# Plants Suitable for Decoration

Easily Raised From Seed



**Primula Obconica Grandiflora Hybrida**



**Primula Sinensis**

**2922 Primula, sinensis, finest. Mixed. G. P. 6-inch. Pkt., 25c.**

**2923 Primula, sinensis, double. Mixed. G. P. 6-inch. Splendid for winter flowering in the house or greenhouse; easily grown. Pkt., 25c.**

**2835 Mimosa, pudica (sensitive plant). G. A. 18-inch. A most interesting plant phenomena. Pkt., 10c.**

**3011 Verbena, lemon-scented. G. P. 36-inch. Deliciously perfumed leaves. Pkt., 15c.**

**2617 Coleus, mixed (Flame Nettle). G. P. 24-inch. Beautiful foliage plant; fine for window. Pretty, year in and year out. Pkt., 10c.**

**2921 Primula, obconica grandiflora hybrida. G. P. 12-inch. One of the best window plants. Blooms continually. Pkt., 15c.**

**2713 Grevillea Robusta (fern-like). G. P. 36-inch. Beautiful house plant; easily grown from seed. Pkt., 25c.**

**2616 Cockscomb, Glasgow prize. G. A. 12-inch. Beautiful crimson comb. Pkt., 10c.**



**Cockscomb**



**Coleus**



# Poultry Supplies and Sundry Requisites

For Garden and Farm



We are headquarters for poultry supplies; also miscellaneous requirements for Farm and Garden. We have not space to give descriptions of our full line. Write us for prices on anything you require. Your inquiry will receive prompt and courteous attention.

**BABY CHICK STARTER**—A wholesome starting food which will keep chicks healthy and cause them to make rapid growth. Suitable for feeding for the first three weeks. May be given to them as soon as they are 36 hours old. 50-lb. bag, \$1.60; 100-lb. bag, \$3.10.

**CHICK FEED**—May be fed to chicks after they are three weeks old and contains the proper ingredients balanced in the right proportions to promote rapid growth and strong healthy chicks. 50-lb. bag, \$1.60; 100-lb. bag, \$3.10.

**DISCO LAYING MASH**—To obtain the maximum results from your hens they should be fed a mash scientifically prepared to get results. Our mash has been prepared from a formula approved by leading poultry experts and contains only the highest grade ingredients. 50 lbs., \$1.85; 100 lbs., \$3.50.

**ALFALFA MEAL**—Made from new crop, pea green, kiln-dried hay. May be mixed in with the mash or moistened slightly with hot water and allowed to steam slightly before feeding. Alfalfa meal is also very useful aside from this as a litter

**INCUBATOR THERMOMETERS**, each \$1.00, postpaid.

We always carry a stock of Tankage, Oil Meal and Mill Feeds of finest quality.

Write for prices, stating quantity required.

Above prices are F. O. B. Mitchell, S. D., and subject to market changes.

## The CYCLONE Seed Sower

A Very Popular Seeder and Very Extensively Used

Has a national reputation as absolutely the best hand sower in the market. It is guaranteed to sow perfectly even all varieties of farm seeds such as clover, timothy, red top, alfalfa, oats, rye, wheat, millet, buckwheat, turnip, LAWN GRASS, etc., and can be regulated to sow any amount per acre. It is strongly built and is mechanically perfect. The bag holds one-half bushel. Is easily operated. This machine is guaranteed to do satisfactory work and you will be pleased with it. Weight, 4 lbs. Price, \$2.00 each. If ordered with seeds valued \$10.00 or more, Special Price, \$1.75, postage or express extra.



25c each  
postpaid

for the brooder or chick pen as it is an excellent absorbent and will not injure the baby chicks if they eat it. 50-lb. bag, \$1.60; 100-lb. bag, \$3.00.

**FEED MILLET**—50-lb., bag, \$1.60; 100-lb. bag, \$3.00.

**CRUSHED OYSTER SHELL**—Laying hens require crushed oyster shell for the purpose of encouraging the formation of shells. A hopper with oyster shells should always be within reach particularly during the winter months or when the poultry are confined; many poultry raisers find it a profitable investment to feed oyster shells the year around. 100-lb. bag, \$1.50.

**GRANULATED BONE**—Made from fresh green bones, which have the moisture, grease, etc., extracted, leaving nothing but phosphate of lime and protein. Medium, 50-lb. bag, \$2.60; 100-lb., bag, \$5.00. Fine, 50-lb. bag, \$2.60; 100-lb. bag, \$5.00.

**CHARCOAL**—Should be left in a hopper exposed so that poultry will have free access to it at all times. It is one of the best correctives and helps perhaps more than anything else to maintain good health in the flock. Medium, 50-lb. bag, \$2.10; 100-lb. bag, \$4.00. Fine, 50-lb. bag, \$2.10; 100-lb. bag, \$4.00.

**MEAT SCRAPS**—Rich in protein, material which makes muscle and lean meat. Finest quality. 50-lb. bag, \$3.10; 100-lb. bag, \$6.00.

**FEED SUNFLOWER**—50-lb. bag, \$4.50; 100-lb. bag, \$8.00.

**CORN FOR POPPING**—Per lb., 5c; per 100 lbs., \$4.50.

**BIRD SEEDS**—Finest re-cleaned. Hemp, per lb., 15c; Canary, per lb., 15c; Bird Millet, per lb., 10c; Parrot food, per lb., 10c; Bird Rape, per lb., 15c; DISCO Bird Mixture, per lb., 15c.



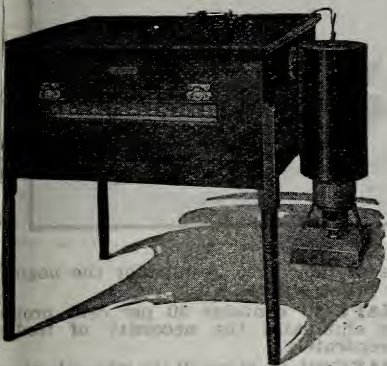
THE SOWER THAT  
SCATTERS EVENLY



# PROFIT MAKERS FOR POULTRY KEEPERS

In this line we are offering our customers the very best value for their money in machines the highest quality and usefulness.

## CAPITAL INCUBATORS



Are easiest, safest and cheapest to operate and get the best results in strong, healthy chicks. They are better built, last longer and are more reliable under all conditions. They have thicker, warmer walls, which protect the eggs against outside temperatures. They are warmed by a surer, safer, more perfect method, the nearest to nature's method, getting the best hatches. They prevent the evaporation of the eggs by their damp sand trays, which supply just the right amount and kind of moisture, so that the chicks are stronger. They ventilate so that there is always pure air around the eggs, without letting in cool air to chill them. They have powerful, heavily insulated heaters that give the most heat from the least oil. Built in three sizes. 150-egg, \$42.00; 300-egg, \$60.00; 450-egg, \$78.00.

## CAPITAL NO-WASTE FEEDERS

Save two-thirds of your time, one-fourth of your feed and get better results. These feeders have large capacity, are made of heavy galvanized steel and will last a lifetime. Unlike other feeders the troughs do not stick out in front to catch dust, dirt and other filth but the feed is fully protected. Keeps the feed clean in the hopper and feeds it into the trough as fast as eaten by the fowls. Thousands in satisfactory use. One bushel size, \$3.00; five bushel, \$10.50.

## CAPITAL GIANT WATER FOUNTAIN

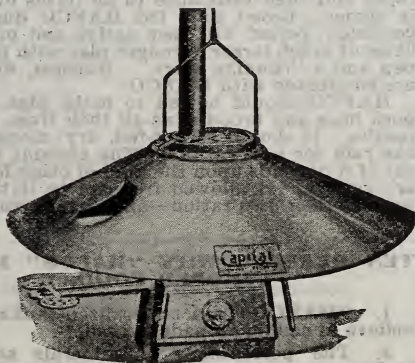
Is the handiest fountain made. Set it or hang it under the pump or faucet and it quickly fills; carry it by the handle to where you want to use it, then tip it on its side and it's ready for use. The water is kept clean and fresh and flows into the drinking trough at one end only as fast as required by the fowls. Made of heavy galvanized steel in the most thorough manner. Five-gallon size, \$2.00; three-gallon, \$1.65.

## CAPITAL FREEZE-LESS FOUNTAIN

Built on the principle of the thermos bottle and keeps water warm in winter and cool in summer. A large part of the hen's body and the egg she lays is water and without a sufficient supply profit is impossible. No lamp or fire, safe and easy to use. Three sizes. One gallon, \$3.00; three-gallon, \$4.00; five-gallon, \$5.00.

## THE CAPITAL COAL BURNING BROODER

Solves all the problems of safe, sure, cheap and easy brooding of chicks in any number up to 1,200. Has unusually large fire pot that provides plenty of heat with a slow burning fire, thus getting the most warmth for the least coal. Stove is made of strong cast iron with canopy of galvanized steel, is self-regulating and easy to operate. Coal can be put in and ashes removed without lifting the canopy, which, however, can be lifted out of the way by ropes and pulleys, furnished with the brooder. One filling with coal lasts from 12 to 48 hours, according to the weather. Price, complete, \$26.00.



Ask for Special Incubator Catalog



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HAFCO

BUILT FOR  
SERVICE

## Mineralized Tankage For Hogs

## Hafco

## A Mineral Hog Food.

Experienced hogmen are convinced economy in the feed lot cannot be practiced without a mineral food.

Through the help of the most competent veterinarians and hog specialists, we have compounded a mineralized tankage and are equipped to make shipments in any amount on short notice.

The merits of HAFCO are daily being brought to the surface through its use by the most prominent hogmen of the Northwest. A trial has convinced them they can get the most out of their feeding operations through HAFCO, self-fed.

One half of HAFCO is tankage containing sixty per cent protein, the balance of the mixture is made up of Ground Limestone, Ground Charcoal, Salt (Sodium Chloride), Sodium Sulphate, Hypo Sulphite of Soda, Sulphur, Copper Sulphate, Alfalfa Meal, each ingredient having a definite mission and is included in the ration in such proportion as will do the pig the most good.

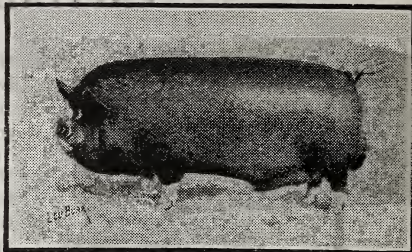
HAFCO has passed the experimental stage and has come to fill a long felt need among successful hogmen. Trial feeding tests have shown one bag of HAFCO will go as far self-fed as three to four bags of tankage, proving its economy and quality of content.

We sell direct to the consumer in any quantity in one hundred pound bags, consequently we are able to quote a price on HAFCO much below the price of mineral food on the market.

In feeding HAFCO you get the necessary protein feed as well as the mineral, thus avoiding the necessity of feeding another protein. The amount of HAFCO consumed by the hogs depends on the grain ration fed. An all-Corn ration requires much more HAFCO than a ration more nearly balanced in itself. The hog will do best when allowed to balance his own ration. Nature does more for him in this respect than man can do.

A Hafco-Fed herd will never break down on their feet in the feed lot or in shipment. HAFCO eliminates the common trouble among brood sows known as Rickets. HAFCO grows bone—pigs fed HAFCO all their lives develop heavier bone, their appetite is keener, their growth is more rapid and their resistance to all forms of disease is higher. Brood sows fed HAFCO during the gestation period will keep active and produce a litter of much larger, stronger pigs with plenty of pep and a "running start." Hairless, weak pigs are eliminated with HAFCO.

HAFCO should be fed to little pigs, shoters, pork hogs and brood sows all their lives, for best results. It should be self-fed, dry, alone, out of the rain for best results. The amount the pigs eat of it depends upon the kind of other feed they are getting. If allowed free run to it they will balance their own ration—and never break down.



regardless of their cost, results for the hogma being the prime object.

3. "HAFCO" contains 50 per cent protel and thus eliminates the necessity of feedin tankage separately.

4. "HAFCO" contains all the minerals necessary for proper growth and development of bon and muscle in pigs from that period before th sows are bred until the pigs resultant from tha breeding are in turn ready to breed or slaughter

5. "HAFCO" is so balanced that hogs of al ages and at all times will not overeat of it in self feeders. The quantity they consume is governe by other feeds in use.

6. The ingredients of "HAFCO" are printe on tags accompanying every bag and can b purchased separately or mixed according to you own directions.

7. The great volume of business done enable us to sell "HAFCO" at the cost of the ingredients plus a very small overhead. We buy the ingredients in car lots and you get the benefit.

8. "HAFCO" is not built on theory, but upon years of study in the hog lots. The hogman's needs are carefully determined. Each minera has a definite function to perform and a correlation to the other ingredients.

9. Great Minds Sometimes Change; just sc with "HAFCO." It is compounded to get results for you. Investigations are continually going on, and when any change in the food is found to be advantageous to you, that change will be made.

10. "HAFCO" is compounded to relieve you of paying excess profits for other hog foods not so good. Its filler is tankage, not sawdust or sand. Its use must get results and make money for you or we cannot prosper.

**Packed in Bags Containing 100 Pounds  
Convenient to Handle.**

**Price F. O. B. Mitchell: Per ton, \$100.00;  
per half ton, \$52.50; per 100 lbs., \$5.40.  
Special price on carload lots on request.**

Onaka, S. Dak.,  
October 30th, 1923.

Dakota Improved Seed Co.,  
Mitchell, S. D.,  
Gentlemen:

Last spring we received from you some mineralized tankage (Hafco) which gave very good satisfaction. I wish that you would send us another ton of this tankage as soon as possible and oblige.

Yours truly,  
J. C. Green, Pres.

JCG:EP

### TEN REASONS WHY "HAFCO" IS THE PROPER FOOD

1. "HAFCO" is a mineralized tankage. We believe in calling a Spade a Spade.

2. The percentages of minerals added to tankage to make up "HAFCO" have been determined by the most competent veterinarians,



# Plants, Floral Designs and Cut Flowers

## Plants for Spring Bedding and House Decoration

Seedlings, post-paid.  
Strong Potted Plants,  
By Express at Purchaser's  
expense.

Per dozen—				
weet Alyssum.....	.50	.75	\$1.00	
sters.....	.50	.75	1.00	
obelia.....	.50	.75	1.00	
erbenas.....	.50	.75	1.00	
Geranium (Madam				
Salero).....		.75	1.00	
Calendula.....	.50	.75	1.00	
Candytuft.....	.50	.75	1.00	
Pansies.....	.50	.75		
oleus.....		.75	1.00	
napdragon.....		.75	1.00	\$1.25
alvia.....	1.00	1.25	1.50	
Heliotrope.....	1.25	1.50	2.00	
Geraniums.....	1.50	2.00	3.00	\$5.00

## PLANTS IN POTS

By Express at Purchaser's  
expense.

Each—				
Asparagus, Plumose				
Fern.....	.50	\$1.00	\$1.50	\$2.00
Asparagus, Sprengerl..	.50	1.00		
Marguerite Daisies...	.50	1.00	1.50	
Boston Fern.....	1.00	2.00		
Cannas.....	.50			
Fuchsia.....	1.00	2.00		
Martha Washington,				
Geraniums or Pelar-				
gonium.....	.50	1.00		
Begonia.....	.75	1.50		

## Vegetable Plants

**STIMUPLANT**  
Makes a  
WONDER GARDEN

## Transplanted, Grown from Choice Strains

Postage paid.  
Per Doz. 100. Per 1000.

Postage paid.  
Per Doz. 100. Per 1000.

Cabbage, early and late seed-			
lings.....	.15	\$1.00	\$7.50
Cabbage, twice transplanted,			
early.....	.20	1.50	12.50
Cabbage, twice transplanted,			
late.....	.20	1.50	12.50
Cauliflower, seedlings.....	.15	1.00	7.50
Cauliflower, transplanted....	.25	1.75	15.00

Celery, seedlings.....	.15	\$1.00	\$7.50
Celery, transplanted.....	.25	1.75	15.00
Egg plants, transplanted....	.25	1.75	15.00
Peppers, transplanted.....	.25	1.75	15.00
Peppers, potted.....	.35	2.50	25.00
Tomato, seedlings.....	.15	1.00	7.50
Tomato, twice transplanted..	.25	1.75	15.00
Tomato, potted (by express)..	.35	2.50	25.00

## Special Floral Designs

Made up Promptly from Choice Fresh Flowers. By Express at Purchaser's Expense.

Anchor.....	\$5.00 to	\$25.00
Broken Wheel.....	12.00 to	30.00
Broken Columns.....	5.00 to	25.00
Bibles.....	7.50 to	25.00
Crescent.....	5.00 to	10.00
Crescent Wreaths.....	5.00 to	25.00
Crowns.....	5.00 to	10.00
Crosses.....	3.50 to	20.00
Casket Spray.....	2.00 to	15.00
Crosses, Baby.....	2.50 to	5.00
Gates Ajar.....	15.00 to	35.00
Hearts.....	3.50 to	7.00
Harp.....	7.00 to	25.00
Lyres.....	7.00 to	25.00
Pillows.....	5.00 to	50.00
Pillows, Baby.....	3.00 to	5.00
Sickles.....	3.50 to	10.00
Shields.....	5.00 to	25.00
Stars.....	5.00 to	15.00
Stars, Baby.....	2.50 to	5.00
Wreaths.....	5.00 to	30.00
Wreaths, Baby.....	2.50 to	3.50

## SOCIETY AND LODGE EMBLEMS

Odd Fellows.....	\$5.00 to	\$20.00
Firemen.....	5.00 to	15.00
Trainmen.....	10.00 to	25.00
Knights of Labor.....	10.00 to	25.00
Maccabees.....	7.50 to	15.00
Lady Maccabees.....	7.50 to	15.00
Yeomen.....	5.00 to	10.00
Knights of Pythias.....	5.00 to	25.00
Knights of Columbus.....	10.00 to	25.00
Christian Endeavor.....	5.00 to	20.00
Epworth League.....	5.00 to	25.00
Master Masons.....	5.00 to	15.00
Knights Templars.....	7.50 to	35.00
Woodmen.....	5.00 to	15.00
Workmen.....	5.00 to	15.00
G. A. R. or Rebekah.....	5.00 to	10.00
Eastern Star.....	5.00 to	15.00
B. P. O. E.....	5.00 to	50.00

Seasonable Cut Flowers always an hand. For Prompt Shipment, when ordering give first, second and third choice to save delay or disappointment.



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THE *Disco* GUARANTEE

The DAKOTA IMPROVED SEED COMPANY guarantees the seed it sells to be as represented as to quality and germination. All our seeds are tested and nothing that does not reach a high standard is distributed. In spite of this, we stand ready to replace or refund the money paid for any seeds sent out by us which upon arrival are not entirely satisfactory. We do not insure a crop from seeds purchased, either as to description, productiveness or any other matter, because of the many factors which influence a crop and which are entirely beyond our control, and acceptance of the seed will be interpreted as an acceptance of these conditions by the buyer. All sales are, therefore, based on this understanding, and it is further understood that in no case shall the liability of the company exceed the price paid for seed.

## POSTPAID

Postage paid on all Vegetable and Flower Seeds unless otherwise stated. Orders for Alfalfa, Corn, Grasses and everything else listed in our book if required by parcel post must have postage added.



## Amount Enclosed

Date.....1924

**akota Improved Seed Co., Mitchell, South Dakota.**

**Gentlemen:** Please send the following seeds subject to the guarantee and conditions of sale given in the DISCO Seed Book

ame.....  
**Mr., Mrs. or Miss. Please write distinctly.**

0.....

County.....State.....

D. P. O. Box or Street No.....

y.....  
State here if wanted by freight, express or parcel post.

Nearest Railway Station.....  
If different from P. O. ....

Is there a freight agent at your railroad station?.....

**If there is no freight agent at your shipping point, money must be sent with order to prepay the freight charges.**

Currency.....		
Bank.....		
Draft.....		
Money.....		
Order.....		

**Total**.....

**Reserved space for office use**

Date \_\_\_\_\_

**Received.....**

Amount

Received.....

<b>Mail</b>	<b>  Freight or Express</b>
-------------	-----------------------------

No. of Packets .....	
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No. of Packages.....	1
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Date Sent.....

Put up by.....

Checked by.....	
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[illegible]







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County.....State

R. D. P. O. Box or Street No.....

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Nearest Railway Station.....  
If different from P. O.

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**If there is no freight agent at your shipping point, money must be sent with order to prepay the freight charges.**

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Bank.....		
Draft.....		
Money.....		
Order.....		
Total.....		

Reserved space for office use  
Date  
Received.....  
Amount  
Received.....

Mail	Freight or Express
No. of Packages.....	.....
No. of Packages.....	.....
Date Sent.....	.....
Put up by.....	.....
Checked by.....	.....

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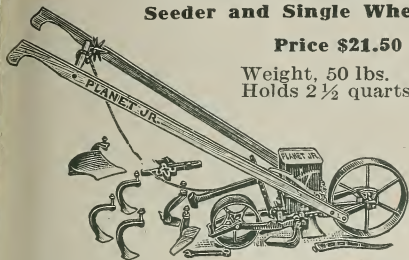
# Planet Jr. Farm and Garden Tools

The success of your garden depends on good seeding and thorough cultivation. Both of these operations a Planet Jr. will do in a fraction of the time required by old methods and with a fraction of the labor. By using Planet Jr. tools, half an hour a day of easy work will keep the average home garden producing quantities of fresh vegetables all summer.

## No. 4 Planet Jr. Hill and Drill Seeder and Single Wheel Hoe

Price \$21.50

Weight, 50 lbs.  
Holds 2½ quarts



Pays for itself in a single season in the family garden as well as in larger acreage. Sows all garden seeds in hills 4, 6, 8, 12 or 24 inches apart or in drills in straight, even rows, at uniform depth. Easily changed to a single wheel hoe which hoes and cultivates easily and thoroughly all through the season. **\$21.50**  
No. 4-D as a Seeder only. **17.00**

## No. 25 Planet Jr. Hill and Drill Seeder, Single and Double Wheel Hoe

Price \$26.00

Weight, 61 lbs.  
Holds 2½ quarts



Has the same sowing device as No. 4 and does the same accurate work. As a wheel hoe it can be used either with one or two wheels. It is intended for gardeners who have a large enough acreage to warrant the use of double wheel hoe but prefer combined seeders and wheel hoes.

## No. 3 Planet Jr. Hill and Drill Seeder

Price \$21.00



Weight  
43 lbs.  
Holds  
3 quarts

A favorite tool with onion growers, market gardeners and seedsmen. Has 15-inch steel driving wheel. The V-shaped opening plow is adjustable for depth and leaves the seed in a narrow line permitting close rapid cultivation with wheel hoes. Where acreage is sufficient to warrant the use of separate seeders and wheel hoes, we especially recommend this very popular drill.



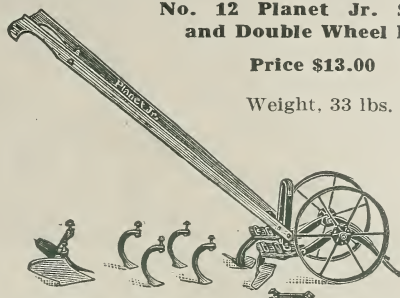
## No. 35 Planet Jr. Seeder Attachment Price \$7.00

The little seeder can be attached to any Planet Jr. single or double wheel hoe or garden plow and is particularly suitable for the small kitchen garden.

## No. 12 Planet Jr. Single and Double Wheel Hoe

Price \$13.00

Weight, 33 lbs.

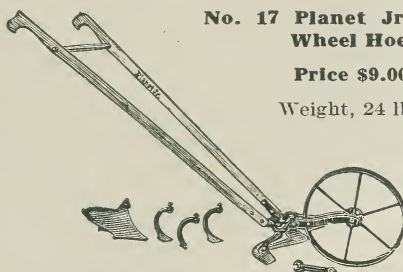


A double and single wheel hoe in one. Straddles crops till 20 inches high, then can be worked between the rows with one or two wheels. The hoes are wonderful weed killers and leave the ground almost level. Cultivator teeth for deep or shallow work. Plows are invaluable for opening furrows, covering or plowing to or from the crop.

## No. 17 Planet Jr. Single Wheel Hoe

Price \$9.00

Weight, 24 lbs.

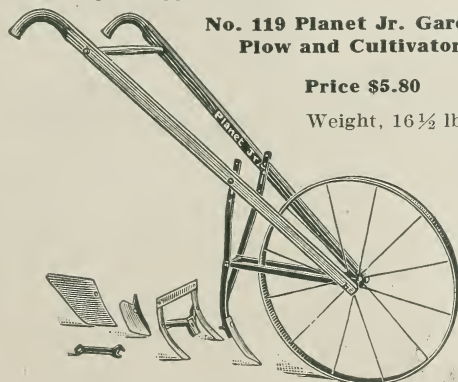


The highest type of single wheel hoe made. Light and durable—can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest and quickest way. Strong, indestructible steel frame. High, easy running steel wheel. They take the drudgery out of garden work and give bigger, better crops.

## No. 119 Planet Jr. Garden Plow and Cultivator

Price \$5.80

Weight, 16½ lbs.



This tool will appeal to those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared the high wheel undoubtedly makes an easy running tool.



*Disco*  
**GUARANTEED SEEDS**



**LONG LIGHT ICING WATERMELON**

**DAKOTA IMPROVED SEED CO.  
MITCHELL. SOUTH DAKOTA**